

# AMERICAN NURSERYMAN

*The Nurseryman's Forte: To Make America More Beautiful and Fruitful*

LIBRARY  
MICHIGAN STATE COLLEGE  
OF AGRICULTURE AND APPLIED SCIENCES  
JUL 1 '42

JULY 1, 1942



UNITED WE STAND

## Editorial

### A. A. N. WAR CONFERENCE.

So that nurserymen may understand the importance of the program prepared for the annual meeting of the American Association of Nurserymen, to be held at Kansas City, July 21 to 24, executive headquarters is mailing to members an illustrated folder emphasizing the current subjects with which this "war conference" will deal. Speakers of national reputation will give the latest available information on the wartime problems of transportation and priorities. The outstanding army authority on camouflage will address the meeting. The proposed victory garden harvest shows—to be the measure of success of the national victory garden campaign—will be discussed in detail, so that nurserymen may do their part in the promotion of such shows. Already victory garden harvest shows are expected in 7,000 communities, and it is anticipated that the number may grow to 20,000.

While the director of defense transportation has pronounced against holding conventions and state fairs, in order to avoid railroad congestion, those meetings concerned with war matters are exempt from the proposed ban.

The importance of the timely program of the A. A. N. war conference and the full information it will provide nurserymen in their current problems make it desirable that as many as can attend the meeting at Kansas City this month.

### CREDIT RESTRICTION.

The recent government order controlling installment buying and regulating charge accounts has led to considerable misunderstanding. The government order that no credit may be extended to an individual who does not pay his account by the tenth day of the second month following purchase applies only to a specific list of consumer goods, mentioned in the order.

The ordinary merchandise handled by nurserymen is not included. "Materials and services in connection

## The Mirror of the Trade

with improvements upon urban, suburban or rural real property in connection with existing structures" does not include planting of nursery stock or services in connection therewith; according to a decision of the Federal Reserve System, it is reported from headquarters of the American Association of Nurserymen.

### WAR MEMORIAL GARDENS.

This war has brought a greater impetus to gardening than any other in history—if indeed any previous war can be said to have given gardening any stimulus whatever. In this country the victory garden campaign has already won great attention, and the victory garden harvest shows in autumn spread further interest in growing plants, both vegetable and ornamental.

Since durable goods that go into construction are restricted to war use now and probably will be needed to repair the ravages of war later, it will be quite fitting if the monuments to the heroes of this war take the form of gardens, instead of bronze and concrete structures.

Already there are memorial gardens of one kind and another in this country. The biggest is the peace memorial garden that celebrates the amity on the border between the United States and Canada. In some small city parks are trails or areas maintained by a memorial fund in honor of a soldier who gave his life in the earlier world war.

One of the loveliest spots in a beautiful suburb of Chicago is a memorial garden planted by the parents of one such soldier and donated to the community. It occupies a corner 200 feet square alongside the community church. It replaced an area of dying trees and trampled grass. The landscape architect who designed it and the landscape contractor who planted it are responsible for a garden of choice and rare trees and shrubs arranged in pleasing design. It is a living and growing memorial, always to be more the town's pride than bronze tablets or statues, granite slabs or marble columns.

The pleasure from such a garden is not alone the beauty that memorial-

izes the departed soldier, but also the acquaintance visitors make with the uncommon trees and shrubs—plants which they have come to realize will bring more enjoyment in their own home grounds than the barberries and spiraeas altogether too prevalent.

Such war memorial gardens will probably appear in many other places. They will certainly come into being if communities, civic clubs, garden organizations and individuals are given the realization of how suitable and how beautiful such gardens can be.

Each in his own community, nurserymen can draw attention to war memorial gardens or parks, which will give those who must stay at home a broader enjoyment of living plants than the limited scope of small home grounds. This thought might well be carried on in conjunction with the victory garden program and serve as its successor when peace arrives.

### CAMOUFLAGE RETURNS.

When data on available plant materials for camouflage use were compiled last year by executive headquarters of the American Association of Nurserymen, 415 concerns filled in questionnaires, or more than half of the A. A. N. membership. Consequently a good cross section of the country's supply was possible, for the information of the War Department.

But this year response to the questionnaires sent out from the A. A. N. office has fallen considerably below that figure, a matter which should be of concern to the trade. Unless nurserymen take an interest in supplying camouflage material and provide the War Department with information on it, little argument will be left against the establishment of government nurseries to provide the material. Send in your questionnaire at once. Compilation of returns starts July 1.

NEWLY appointed assistant to the superintendent of parks at New Haven, Conn., is P. J. van Heiningen, son of Jacob C. van Heiningen, owner of the South Wilton Nurseries, Wilton, Conn. Previously he was horticulturist for the New Haven park department.

# AMERICAN NURSERYMAN

[Registered U. S. Patent Office]

*The Nurseryman's Forte: To Make America More Beautiful and Fruitful*

VOL. LXXVI, No. 1

JULY 1, 1942

Founded 1904  
With which was merged 1939  
THE NATIONAL NURSERYMAN  
Established 1893

\* \* \* \* \*

Published on the  
first and fifteenth  
of each month by the  
AMERICAN NURSERYMAN  
PUBLISHING COMPANY  
508 South Dearborn Street,  
Chicago, Illinois.  
Telephone: Wabash 8194.

\* \* \* \* \*

New York  
Advertising Representative:  
N. L. Huebsch  
67 West 44th Street  
Telephone: Murray Hill 2-4549

\* \* \* \* \*

Subscription Price:  
\$1.00 per year; outside  
United States, \$1.50;  
Single Copies, 10c.

\* \* \* \* \*

Advertising Rates  
on application.  
Forms close five days  
before date of issue.

\* \* \* \* \*

Entered as second-class matter  
December 14, 1933, at Chicago,  
Ill., under act of March 3, 1879.

## CONTENTS

Nurserymen Aid War Bond Campaign.....	5
Some Neglected Opportunities.....	7
By C. W. WOOD, Gladwood Gardens, Copemish, Mich.	
Plan A. A. N. War Conference (illus.).....	9
This Business of Ours.....	16
By ERNEST HEMMING, Eastern Shore Nurseries, Easton, Md.	
Diseases of Trees.....	18
By LEO R. TEHON, Head of Section of Applied Botany and Plant Pathology, State Natural History Survey, Urbana, Ill.	
Editorial.....	2
—A. A. N. War Conference.....	2
—Credit Restriction.....	2
—War Memorial Gardens.....	2
—Camouflage Returns.....	2
Nurserymen Aid War Bond Campaign.....	5
—These Firms Have Installed Pay Roll Allotment Plan to Buy War Bonds.....	5
Don't Commercialize War Bonds and Stamps.....	6
Plan A. A. N. War Conference (illus.).....	9
—City of Inviting Homes.....	9
—Convention Travel Map.....	10
—Program Headliners.....	11
—Felix E. Held (portrait).....	11
—Warren C. Kendall (portrait).....	11
—S. Herbert Hare (portrait).....	12
—L. R. Quinlan (portrait).....	12
—Young Folks' Program.....	12
—Trains for Kansas City.....	12
Southwestern News.....	12
Sneed Misses Tornado.....	13
Coming Events.....	14
—On the Calendar.....	14
—West Virginia Program.....	14
—Kentucky Outing.....	14
—Iowa Summer Meeting.....	14
Obituary.....	14
—Clarence V. Holsinger.....	14
—George Parker.....	15
—W. B. Marshall.....	15
New Station Director.....	15
Interned in Nursery.....	17
Cease and Desist Order.....	18
Newark Rose Festival.....	19
Institute Catalogue.....	19
Orders from Washington.....	20
—Pyrethrum Restricted.....	20
—Osaburg Restricted.....	20
—Bulletin on Price Rules.....	20
—Truck Gas Ration.....	20
Revise Regulations.....	20
White-fringed Beetle Quarantine Revised.....	20
Cornell Forestry Head.....	21
Steinmetz Addresses Western Plant Board.....	22
Oregon Notes.....	22
National Peony Show.....	23
Show Peonies at Boston.....	23
Cherry Rootstocks.....	23
New Books and Bulletins.....	24
—Chemical Gardening.....	24
—Nut Growers' Yearbook.....	24
—Daffodil Yearbook.....	24
—Bulletins Received.....	24
New Plant Patents.....	25

## INDEX TO ADVERTISERS

American Chemical Paint Co.....	28	Harmel Peony Co.....	21	Natorp Co., W. A.....	19
American Color & Chemical Co.....	25	Herbst Bros.....	15	Nevill Primrose Farm.....	23
American Florist Supply.....	26	Hess' Nurseries.....	15	Nick's Nursery.....	19
American Reedcraft Corp.....	25	Highway Gardens Nursery.....	21		
American Soil Sponge Selling Corp.....	24	Hill Nursery Co., D.....	19	Oberlin Peony Gardens.....	24
Andrews Nursery Co.....	21	Hobbs & Sons, C. M.....	21		
Ariens Co.....	26	Hogansville Nurseries.....	21	Peterson & Dering, Inc.....	23
		Holton & Hunkel Co.....	19	Portland Wholesale Nursery Co.....	23
Bagatelle Nursery.....	15	Howard Rose Co.....	22	Potter Nurseries.....	21
Bailey Nurseries, J. V.....	21	Hydroponic Chemical Co.....	26	Princeton Nurseries.....	19
Bardona Nursery.....	21				
Bobbink & Atkins.....	17	Innis, Speiden & Co.....	25	Rich & Sons Nursery.....	23
Braden Nursery.....	24	Ittner Bros.....	26	Rickert Nurseries.....	15
Broadway Rubber Mfg. Co.....	24			Robinson, E. D.....	17
Burr & Co., C. R.....	15	Jackson & Perkins Co.....	17		
Burton's Hill Top Nurseries.....	19	Jones Nurseries, J. F.....	21	Scarff's Sons, W. N.....	21
				Scott & Sons Co., O. M.....	16
Campbell-Hausfeld Co.....	20	Kallay Bros. Co.....	19	Sherman Nursery Co.....	17
Carlton Nursery Co.....	22	Koster Co., Inc.....	19	Sherwood Nursery Co.....	22
Chase Co., Benjamin.....	26			Sneed Nursery Co.....	19
Chase Nursery Co.....	19	Lake's Shenandoah Nurseries.....	17	Swift & Co.....	13
Cloverset Flower Farm.....	26	Las Positas Nursery.....	22		
Colby Pioneer Peat Co.....	26	Leonard & Son, A. M.....	26	Tardif Domestic Peat Sales Co.....	26
		Little Tree Farms.....	17		
de Wilde's Rhodo-Lake Nurseries.....	15	Lovett, Lester C.....	19	Varsity Landscape Service.....	18
Doty & Doerner, Inc.....	23	Luft Peony Farms, Phil.....	21	Verhalen Nursery Co.....	14
Dummett, Arthur.....	15				
		McGill & Son, A.....	23	Washington Heights Nurseries.....	16
Evergreen Nursery Co.....	19	Meehan Co., Thos. B.....	17	Wassenberg, C. F.....	21
		Milton Nursery Co.....	22	Waynesboro Nurseries, Inc.....	24
Forest Nursery Co.....	21	Moran, E. C.....	25	Wayside Gardens Co.....	27
Foster Nursery Co.....	21	Morse Co., A. B.....	25	Westminster Nurseries.....	17
		Motz Bros.....	23	Williams Nursery Co., L. E.....	17
Gardner Nurseries, Clark.....	27	Mount Arbor Nurseries.....	19	Willis Nursery Co.....	21
Gardner's Nurseries.....	17	Mount Hope Nurseries.....	19		
Gravelly Mfg. Co.....	26				

## *Last Call* for your advertisement for the **PRE-CONVENTION SPECIAL NUMBER**

**AGAIN ALL FOUR COVERS IN FULL COLORS**

THE BUYING GUIDE FOR THE SEASON AHEAD

**Issued July 15 — forms close July 8**

More trade buying will be done by mail this year, because of reduced travel by nurserymen. Early advertising will give more time for correspondence before the busy period. Prepare advance announcements and book orders ahead. The Special Number will obtain maximum attention for your offers.



# Nurserymen Aid War Bond Campaign

Our country is issuing a call to every one of us to help win the war—not just the young men who must leave home to give their full services and perhaps their lives in the nation's cause. All Americans are being asked to sign a pledge to invest ten per cent of their salaries and wages in war savings bonds. Campaigns have been held or will be held in all communities to obtain such pledges. The evidence of our pride in a free democracy will be a 100 per cent response.

Arguments have been advanced, while the present tax bill has been before Congress, that the Treasury Department be empowered to make forced loans or to institute a compulsory savings plan. Instead, our federal government is endeavoring to obtain the money necessary to win the war by voluntary pledges, as the democratic way.

Savings bonds will, first of all, provide the funds needed for the prosecution of the war. But savings bonds will do much, in addition, to make more successful the peace after the war, first, by preventing inflation of prices through the reduction of the public's expenditures for consumers' goods when they are in curtailed supply now, and second, by providing a backlog of savings for a future

time when employment for the manufacture of war weapons has ceased.

In order that investment in war savings bonds may reach the 100 per cent level and be truly democratic, the pay roll allotment plan has been devised. For several months businessmen have been aiding their employees to buy war bonds in this convenient fashion.

If you have not yet installed the pay roll allotment plan in your organization, the nearest office of the war savings staff of the Treasury Department will give you pamphlets describing the plan and will also provide speakers to explain it in detail to your employees. Cards are

provided to be filled out by the employee, authorizing the deduction of a specific amount each week or each month by the employer when salary or wage is paid, and specifying how and in whose name the bonds are to be purchased. Each payday thereafter the employer deposits in a separate bank account the money allotted for bond purchase by his employees. When the record on the back of a card indicates that contributions by the employee are sufficient to purchase a bond (the smallest amount would be \$18.75), the employer purchases a bond in the name of the employee out of the special bank account and delivers the bond to him or her.

There are distinct advantages to the employees beside their participation in the war effort. They save approximately ten per cent of their income at a time when the income is relatively high. These savings are laid away for a time when they certainly will be useful and perhaps may be badly needed. In an emergency the bonds can be cashed, but in that case a certain proportion of the interest is sacrificed. Held to maturity in ten years, the bond of \$18.75 pays \$25—the principal plus compound interest at a rate of 2.9 per cent, a better rate than is obtainable



**We Are Buying  
War Bonds on the  
Pay Roll Savings  
Plan**

## THESE FIRMS HAVE INSTALLED PAY ROLL ALLOTMENT PLAN TO BUY WAR BONDS

American Chemical Paint Co., Ambler, Pa.  
American Nurseryman, Chicago, Ill.  
Andorra Nurseries, Philadelphia, Pa.  
Andrews Nursery Co., Faribault, Minn.  
Armstrong Nurseries, Ontario, Cal.  
Bay State Nurseries, No. Abington, Mass.  
Bergmann Nurseries, Otto, Paramus, N. J.  
Bohlender Nurseries Co., Tippecanoe City, O.  
Boulevard Nurseries, Newport, R. I.  
Boyd Nursery Co., McMinnville, Tenn.  
Buntings' Nurseries, Selbyville, Md.  
Burr & Co., C. R., Manchester, Conn.  
Calmay Nursery, Miami, Fla.  
Capital Nursery Co., Sacramento, Cal.  
Chandler Landscape & Floral Co., Kansas City, Mo.  
Chase Co., Benjamin, Derry, N. H.  
Chase Nursery Co., Chase, Ala.  
Cherry Hill Nurseries, West Newbury, Mass.  
Clavey Ravinia Nurseries, F. D., Deerfield, Ill.  
Colorado Seed Co., Denver, Colo.

D. & C. Hardy Plant Nursery, Westminster, Md.  
Doty & Doerner, Inc., Portland, Ore.  
Farr Nursery Co., Weiser Park, Pa.  
Ferris Seed Co., Earl, Shenandoah, Ia.  
Field Seed Co., Henry, Shenandoah, Ia.  
Forest Nursery Co., McMinnville, Tenn.  
Foster Nursery Co., Fredonia, N. Y.  
Gardner Nursery Co., Osage, Ia.  
Germain Seed & Plant Co., Los Angeles, Cal.  
Hill Nursery Co., D., Dundee, Ill.  
Holm & Olson, Inc., St. Paul, Minn.  
Holton & Hunkel Co., Milwaukee, Wis.  
Howard's California Flowerland, Paul J., Los Angeles, Cal.  
Howard-Hickory Co., Hickory, N. C.  
Jackson & Perkins Co., Newark, N. Y.  
Jones Ornamental Nursery, Nashville, Tenn.  
Kraak, Henry, New Orleans, La.  
Krider Nurseries, Inc., Middlebury, Ind.  
Lake Garfield Nurseries, Bartow, Fla.  
Lang Floral & Nursery Co., Dallas, Tex.  
Lawrence, Inc., H. V., Falmouth, Mass.  
Littlefield-Wyman Nurseries, No. Abington, Mass.

Malmö Nursery, Seattle, Wash.  
McHutchison & Co., New York.  
McGill & Son, A., Fairview, Ore.  
Mount Arbor Nurseries, Shenandoah, Ia.  
Natorp Co., W. A., Cincinnati, O.  
Paramount Nurseries, West Grove, Pa.  
Peterson & Dering, Inc., Scappoose, Ore.  
Plumfield Nurseries, Fremont, Neb.  
Pontiac Nursery Co., Romeo, Mich.  
Princeton Nurseries, Princeton, N. J.  
Rosedale Nurseries, Eastview, N. Y.  
Shenandoah Nurseries, Shenandoah, Ia.  
Sneed Nursery Co., Oklahoma City, Okla.  
Snyder Bros., Center Point, Ia.  
Southampton Nurseries, Southampton, Pa.  
Stark Bros. Nurseries & Orchards Co., Louisiana, Mo.  
Stuart Co., C. W., Newark, N. Y.  
Texas Floral Co., Lubbock, Tex.  
Trauernicht Nursery Co., Fort Worth, Tex.  
Vestal & Son, Little Rock, Ark.  
Wachendorff Bros., Atlanta, Ga.  
Westcroft Gardens, Grosse Ile, Mich.  
Weston Nurseries, Inc., Weston, Mass.

on savings accounts, first-class corporation or municipal bonds or any other federal government bond. The investment, needless to say, is the safest in the world.

Besides the pride of sharing in our war effort in a democratic manner, contribution to the pay roll allotment plan for purchase of war bonds brings certain meritorious insignia. First, when a business organization has obtained pay roll allotments of ninety per cent or more of its employees, a printed certificate to that effect, filled in with the firm's name, is furnished by the Treasury Department, through the local war savings staff office, which is suitable for framing or other display. That certificate enables one to purchase the Minute Man flag, already familiar, in various sizes. It may be hung on a flagstaff at the nursery entrance, beneath the American flag, or it may be mounted to hang as a banner in the firm's office, suitably accompanied by our national emblem. The constant sight of these two is a reminder that we are day by day doing a part in that service borne to a far greater degree by the young men, relatives or friends, who are in the front lines or on their way thither.

Large firms and small in every line of business are establishing this voluntary pay roll allotment plan, best evidence that the democratic way is the most united way. In this issue are published the names of nursery firms known to have established the plan. Send in your name if your company has received a certificate and qualified for the Minute Man flag.

#### DON'T COMMERCIALIZE WAR BONDS AND STAMPS.

War bonds and stamps are not intended for "bait." They should not be "commercialized," i.e., offered as premiums in combination with merchandise, or as prizes in lotteries, or used in any manner that involves personal profit, directly or indirectly.

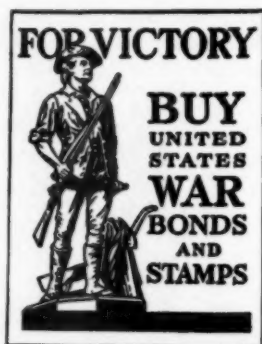
Many methods employed to spur distribution of bonds and stamps, while within the law and inspired by patriotic motives, are now disapproved by the Treasury Department "based on considerations of public policy."

Several examples of "what war bonds and stamps are not for" are contained in the files of the Chicago

Better Business Bureau. One is a trading stamp plan submitted to the bureau for an opinion. The plan, on advice of the bureau, was carried no farther.

At least two community newspapers in the Chicago area conducted lotteries with war bonds and stamps as prizes. Before a definite policy was evolved by the Treasury Department, this type of commercial lottery was not frowned upon. Official sanction no longer is given.

A large Chicago haberdashery store recently placed a sign in its window saying: "We give a 10-cent war stamp with each \$1 of merchandise purchased." Several department stores made similar offers. This practice also has been discontinued.



Better business bureaus throughout the country are cooperating with the Treasury Department to keep the distribution of bonds and stamps within the policy as defined in a recent memorandum to all state administrators and state chairmen of the war savings staff. Excerpts from the memorandum follow:

"The Treasury Department disapproves of the use of savings bonds or savings stamps as prizes or rewards, either alone or in combination with merchandise, through lotteries, punch boards, pin ball games or other games of chance where an element of personal profit is involved either directly or indirectly. Objection is not made to such use in contests of knowledge or skill, not depending upon chance, such as quizzes, slogan contests or the like, not directly connected with retail sales of merchandise.

"The Treasury Department also strongly disapproves of the use of either bonds or stamps as premiums, discounts or gifts in connection with the retail sale of merchandise, particularly as premiums for coupons or

other stamps or counters in the nature of trading stamps or the like, or the use of bonds or stamps in any way calculated to give one merchant or dealer any advantage, real or apparent, over his competitors.

"These objections are based on considerations of public policy and do not depend upon the legality or illegality of any of the devices or games mentioned under the laws of the United States or of any state, nor upon whether or not practices to which the department objects may be considered violations of fair trade practices."

Commercial enterprises of every kind, before inaugurating new plans for the distribution of war bonds and stamps, are urged to check with their local better business bureau or with the United States Treasury Department to make sure that such plans meet the considerations of public policy and good taste.

FRANK JASON LITTLEFORD, JR., of Littleford Nurseries, Downers Grove, Ill., will be married July 11 to Lelah Mae Jordan at Vincennes, Ind. They will reside in Vincennes at 1421 Weed Lane.

PAUL E. CASE is now in the middle east working under the United States War Department, and the Case Co., Richfield, Conn., has closed its business for the duration.

BENJAMIN HOULIHAN, son of Joseph P. Houlihan, of the Houlihan Nursery Co., Creve Coeur, Mo., left home June 22 for induction into the coast guard at Manhattan Beach, N. Y.

LEAVING the employ of Turner Bros. Nursery, West Long Branch, N. J., Raymond P. Kobova was recently married and then left for Fort Dix to serve in the army. The firm's landscape business kept it busy throughout June.

LAST Christmas the Boyd Nursery Co., McMinnville, Tenn., gave each of its employees a war savings stamp book containing one dollar's worth of stamps. The employees have been buying stamps since so that each one of the regular workers has now at least one bond. Henry N. Boyd reports an enrollment of 100 per cent among the men in buying stamps and bonds since starting in December.

# Some Neglected Opportunities

By C. W. Wood

As time marches on and competition becomes keener and keener, not only from other growers in one's community, but also from the national advertisers who use a lot of color and persuasive propaganda to attract business their way, the neighborhood grower finds the field for sales more restricted. He can use some of the tactics of the mail-order dealer, of course, but lack of capital and limited productive capacity tell him that he cannot go too far that way. So, if he is wise, he will canvass his local field thoroughly to see if there are any opportunities that he has overlooked. It has been my privilege during the years to watch the transformation of many a misfit into a going business, and vice versa, and to experiment with some crops not ordinarily grown in neighborhood nurseries. In telling some of these observations and outlining a few of the experiments, I hope they may help other neighborhood growers to adjust their work and output to their local demands and hidden opportunities.

It has been impressed on me by observation that the reasons for lack of success or halfway success of some growers can be traced to their inability to adjust their output to their local demands. They insist on growing what they like and what they think should sell, rather than go to the trouble to find out what the gardeners in their locality are buying or want to buy. The case of a friend in a midwest state will serve to illustrate that point. A gifted grower and a keen plantsman, he accumulated what he and I thought was an excellent collection of hardy plants. It included many rare ones of more than ordinary garden value; yet, after four years of diligent efforts, he had to give up his rare material and confine his work to the old stand-bys, like *Phlox subulata*, *alyssum*, *arabis*, summer *phlox*, *gaillardia* and hardy *chrysanthemums*. One should not jump to the conclusion, however, that that is what is wrong with his own business. The grower cited made a careful survey of the buying habits of

the gardeners in his town before he could intelligently arrive at the conclusion. He found out what they were using in their gardens and set out to supply it.

Another case will illustrate the opposite side of this problem. A grower, who had been enjoying a quite satisfactory business in ordinary plant material in an Ohio city of 10,000 population, thought he saw greater opportunities in a suburb of one of the large cities. The move was made gradually and the same line of material was grown in both localities for two or three years. But sales at the new location were a sad disappointment, until he found by trial that rare plants sold like the proverbial hot cakes. A survey showed that nearly all the gardeners in his new location were members of a garden club which had, during its years of existence, inculcated a love for rare plants in its adherents.

These and many other observations tell me that a grower cannot tell for sure a real opportunity from something that merely looks like one. If your business is not what you think it should be, let the experience of others lead you to the making of a careful survey of your local conditions, especially of its gardeners' buying habits, the plants in most demand, the possibilities of popularizing other material and the probable demand for plants in general. It may be that the entire demand for plants in your neighborhood would not justify the scale of propagation which you have been practicing or to which you aspire. In that case it would be necessary to look around for opportunities which have hitherto remained hidden from view.

One grower of my acquaintance who found himself in that predicament solved his problem after this fashion: A neighbor, a florist, made regular trips to a near-by (within fifty miles) city of 250,000 population with cut flowers and plants. The two worked out a scheme whereby the florist carried the hardy plant grower's surpluses to the big city market. It was slow going at first, he tells me, until he got the pulse

of the market and the way to present his product. He has now given up his local trade and devotes his entire attention to the wholesale end. His plants are all either grown in pots or finished in pots and sold in paper pots, mostly while they are in bloom. His line is strictly modern and is composed of material to give him something to sell every week, from the double *arabis* of early spring to *chrysanthemums* in autumn.

Speaking of *chrysanthemums* reminds me of an experiment made here last year with these plants which may contain a hint for others under suitable conditions. Rooted cuttings of several florists' varieties were bought for mid-May delivery. These were potted up, three cuttings in a 6-inch pot of good open soil, to which one-fifth cow manure had been added. The plants were pinched three times, the first pinch fifteen days after planting, the second thirty days and the last about fifty days after planting. The center bud of all except the button types was removed as soon as visible, to induce a low-branched plant. On that schedule, plants about a foot tall were produced. Shading with black cloth was used on some, and others, like the early-flowering hardy *Clara Curtis*, were allowed to grow naturally.

My notes reveal these results: Smith's Superlative planted May 15, given its last pinch July 4, shaded from July 1 onward, was ready to sell September 12. Following the same schedule, Gypsy was in salable condition September 20, Rose Chochard on the first day of that month and Richard Mandel on the fifteenth. By delaying the last pinch and the shading, blooming may be postponed until October and November. In that case, however, one would have to have a heated house to protect them from frost. My experiment, on the other hand, was to see if a suitable schedule could be worked out for the hardy plant grower to augment his income through the sale of pot *chrysanthemums* through the regular trade channels.

To make the venture a success, one would need proper growing facilities



and a good outlet. Taking the latter first, I should expect best results if a market could be arranged through existing channels, as a local florist who could handle the output to the mutual advantage of both the grower and the seller, or through a wholesale market in a neighboring city. Growing facilities could be arranged to suit one's facilities. If the cuttings are bought about the middle of May, little protection will be needed from frost until the plants can be kept in an open frame. If they are timed for September selling, practically no protection would be needed on that end of their growth; October plants would at least need a glass cover, as a house with glass on the roof and open ends and sides; those marketed in November would need a heated house in this latitude.

Chrysanthemums were merely taken as an example. They do not, however, end the opportunities in that branch of plant culture. With the ordinary facilities of the neighborhood grower, other pot plants could be adapted to one's schedule. For example, this spring I experimented with *Dianthus Tiny Rubies*, started into growth in an ordinary coldframe March 20. One-year plants in 3-inch pots were in full bloom at least six weeks ahead of outdoor stock and sold readily through a near-by florist. It, again, is merely a suggestion, for the field is full of similar opportunities, awaiting exploitation.

The field of specialization contains a myriad of opportunities often overlooked by growers. Here are openings for profitable ventures which would fit into the schemes of neighborhood growers. For instance, one grower of my acquaintance found by chance that he was specially fitted to produce *Mertensia virginica* in large quantities. His only problem then was to find the markets, which he proceeded to do through florists for forcing and for estate planting. Another found, after several discouraging years with the usual general line of the neighborhood nursery, that his inclination ran toward hardy bulbs. Wise man that he is, he slowly worked into that field of specialization until today he has a nation-wide clientele in his chosen line. There comes to mind another grower who by chance (the story is too long to tell here) found his niche

in the specialized field of selling year-old seedlings. It is safe to say, I think, that most neighborhood growers who have slack periods in their schedules could find a special crop or a special way of handling a crop which would add materially to their incomes without unduly boosting their overhead.

I watched with apprehension a grower struggle along for several years in a midwest city where five neighborhood nurserymen were competing for a combined trade that was scarcely enough for three of them. Finally, he saw the light and went out after garden maintenance work (perhaps working by the day to you). It not only gave him needed income, which has now grown into a major part of his business, but it gave him and his plants entry into some of the best gardens in the city. It is merely a part of landscape gardening which more than one grower has used for a meal ticket while getting established.

The production of cut flowers may be undertaken, either for retail, when the income from that source is what the man in the street calls "velvet," or for wholesale, when, to change the simile, the tail is apt to reach the point where it can and will wag the dog. Ordinarily, the retail field is fully covered (often too fully) at present, but numerous opportunities exist for the production of outdoor cut flowers of superb quality. Please observe, though, that only superb quality pays its way at this stage of the cut flower business. I have watched a young grower work himself out of a nasty situation during recent years by the sale of delphinium cut flowers on a wholesale market 300 miles from his nursery. Rest assured that it was not done on mediocre stock; rather, he made a special study of producing flowers (*Giant Pacific*, in his case) of a quality that demanded instant attention in any market. And that meant it demanded a premium there, too. While learning to grow cut flowers of that kind, he also learned how to produce high-quality delphinium plants; so now his business is almost entirely devoted to that specialty. In another case, it was suggested to a neighborhood grower that he try *trollius* for cut flowers on a piece of wet bottom land where he had been able to grow little. The venture was so successful that he has

expanded to large-scale proportions. Many other examples could be cited to illustrate the point I have tried to make, but enough has no doubt been said to make clear the fact that growers in all sorts of conditions could, with a little careful thought, find a cut flower crop that would fit into their scheme of things. It might, as it has in several cases to my knowledge, lead to a really important conclusion.

Referring again to specialties before closing these remarks, I should like to point out a few fields which, according to my views, hold more than ordinary promise. If I were a young man starting in the plant business as a life work, I would select a promising genus for hybridizing. In my own case, choice would fall on *penstemon*, a wide field with apparent excellent opportunities which have scarcely been touched. In other cases choice might be made of a wide range of promising subjects, including *geum*, *heuchera* and *sidalcea*, in addition to the much-worked *chrysanthemum*, *dianthus* and *phlox*. There are chances here for world renown, if that is what one wants, and for a heap of satisfaction as well as for handsome profits. As a side line to the ordinary material of the neighborhood nursery, one could inaugurate a program of study and utilization of many native plants now usually ignored entirely. In my own small way I have found several natives which are worthy of wide exploitation, so many in fact that I am convinced that the field holds great possibilities for profit. Another specialized field that has often excited my interest is that of plants for certain purposes, as ground covers, plants for shaded locations, wall plants and a myriad others.

Although inquiry into the subject has no way near been exhausted, it is hoped that enough has been said to excite the interest of neighborhood growers who are looking for room to expand. The field is so broad and opportunities are so plentiful that one almost certainly exists to fit the most peculiar conditions.

#### IN NEXT ISSUE:

Charlie Chestnut: "To the Highest Bidder."



# Plan A. A. N. War Conference

## CITY OF INVITING HOMES.

Detroit had its factories, New York its stage shows and Chicago its cruise on the Great lakes—but when Kansas Citians have company, they show their guests some of the most inviting and attractive homes in America. As hosts to the American Association of Nurserymen, July 21 to 24, Kansas City nurserymen plan to do just that, for there you will find the well known Rockhill and Country Club residential sections.

As early as 1880, with the arrival of the late William Rockhill Nelson, August R. Meyer and George E. Kessler, Kansas Citians began to develop a network of parks and boulevards serving every section of the city. It was young Kessler's idea to make the most of the natural topography of the land and it was said that Nelson,

through his Kansas City Star, "served park improvements each evening at supper."

It was in the Rockhill district that the late Mr. Nelson built his home (present site of the William Rockhill Nelson Gallery of Art and Mary Atkins Museum), at that time at the very edge of town. Though one of the older sections, its huge trees, natural stone bridges and landscaped drives provide attractive surroundings for the art gallery, Kansas City Art Institute, University of Kansas City and neighboring Barstow School for Girls.

With the foresight characteristic of the Nichols Companies, young J. C. Nichols realized in 1907 that Kansas City was growing to the south and from a 10-acre plot began to develop what is known today as the

Country Club residential sections, covering more than 4,000 acres.

Extensive tribute has been paid Mr. Nichols as a city planner, most recent of which was the selection by the National Real Estate Board of the Country Club districts as a model residential development.

Each of the Country Club sections is served by its own golf courses, shopping centers, winding drives and public recreation areas. European art objects enhance its beautifully landscaped parkways and combine Old World charm with a sense of newness and infinite space, so characteristic of the middle west.

It was in Kansas City that the idea of central planning was originated. All plans for either private homes or public buildings are submitted to the Nichols Companies, whose architects



Homes in the Famous Country Club District, One of the Nichols Developments at Kansas City.

make certain that the specifications conform to the natural topography of the land and that materials used will harmonize with their surroundings.

To insure proper maintenance of parkways or vacant lots, mutual improvement associations have been formed by homeowners in each of the districts.

The National Real Estate Journal aptly described the Country Club districts recently as "an outdoor museum of art," with more than \$250,000 invested in Old World art objects, which are attractively placed along the winding drives, street intersections and park areas.

Largest of the many shopping centers serving these south-side homes is "The Plaza," well known to resident Kansas Citians and visitors alike for its Spanish architecture and al-

ways seasonable and festive decorations.

Your interest in Kansas City may be as varied as your own tastes, and interesting side trips abound, but with the universal interest in beautiful home and attractive surroundings, nurserymen are sure to appreciate Kansas City's residential sections. You'll enjoy the air-conditioned comfort of the Hotel Muehlebach, a sizzling steak dinner, or an afternoon in the 1,400-acre Swope park. But you'll remember Kansas City best as a city of inviting homes, where architects place no premium on winding drives or public recreation areas!

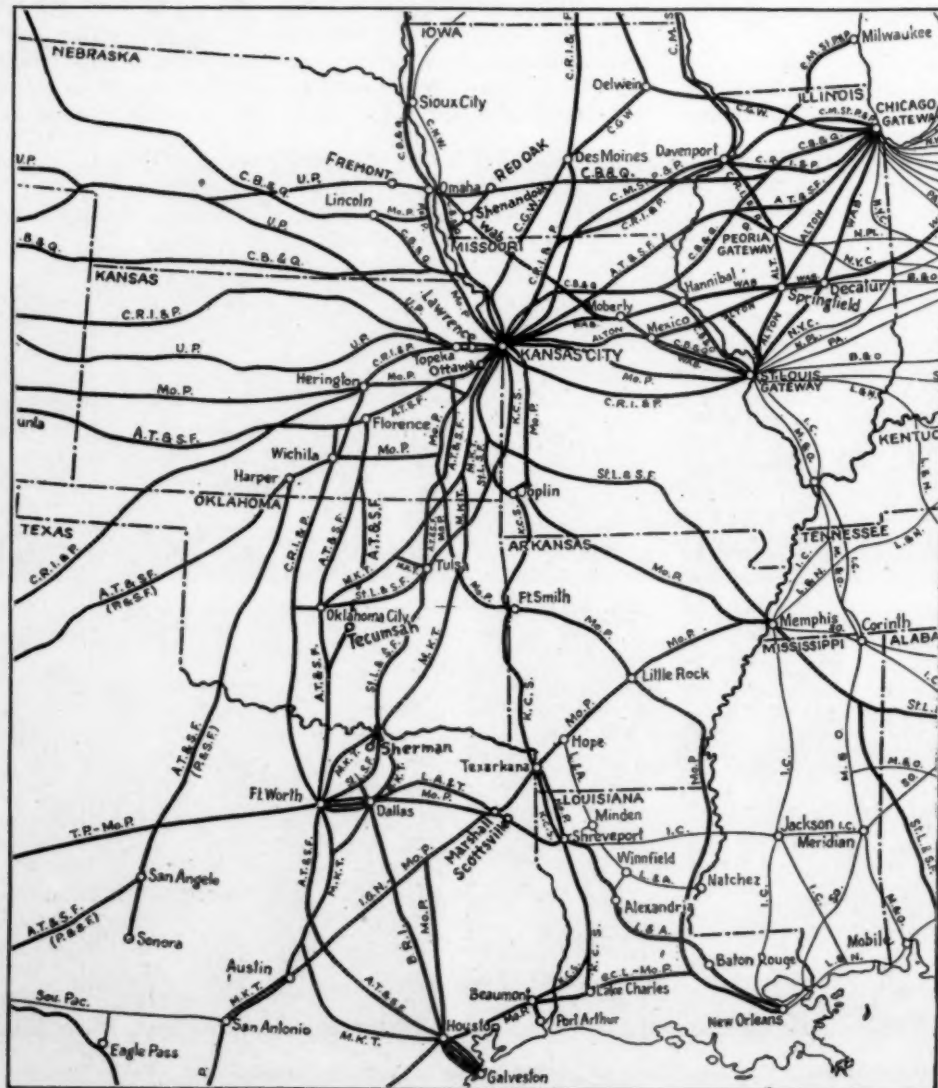
#### CONVENTION TRAVEL MAP.

The title "Heart of America" claimed by Kansas City, Mo., has a basis in the network of railroads that

center on the metropolis, as is apparent from the map on this page.

Because it is at the crossroads of rail systems from east to west and north to south, as well as in the reverse directions, the convention city is ideally located this year, when travel by automobile is restricted as a tire-saving necessity. It is easy of access by railroad from every direction.

More than that, its railroad communications lead by way of important nurseries in the surrounding states. Some of these nurseries are combining in a 2-page spread in the coming preconvention number to invite visiting nurserymen to call on the way to or from the convention. The map prepared for that spread is presented here in advance, so that in laying out your railroad travel plans, you may route your ticket to visit



these nurseries. The map shows the important railroads of the area and particularly the lines leading into Kansas City. Also indicated are the locations of the nurseries. Those contributing to the spread in the July 15 special number are Lake's Shenandoah Nurseries and Mount Arbor Nurseries, Shenandoah, Ia.; Mount Hope Nurseries, Lawrence, Kan.; Parker Nursery & Orchard Co., Tecumseh, Okla.; Plumfield Nurseries, Fremont, Neb.; Sneed Nursery Co., Oklahoma City, Okla.; Twitty Nursery Co., Texarkana, Tex.; Verhalen Nursery Co., Scottsville, Tex.; Williams & Harvey Nurseries Co., Kansas City, Kan., and Willis Nursery Co., Ottawa, Kan.

#### PROGRAM HEADLINERS.

Strong in speakers of national reputation on wartime conditions as they affect nurserymen, the program of the annual meeting of the American Association of Nurserymen, at Kansas City, Mo., July 21 to 24, will include Warren C. Kendall as the man most fitted to discuss railroad transportation. His experience in a national emergency reaches back to the earlier World war, when he was a member of the commission on car service of the old American Railroad Association.



Warren C. Kendall.

tion, which has since become the American Association of Railroads. He was manager of the car service section, division of operations, under the United States Railroad Administration. He then held various offices with the car service division of the American Association of Railroads until his appointment as chairman

of the division in 1933. He rose from the ranks of railroad operators. Born in Vermont and educated at Dartmouth College, he started with the Boston & Maine as a telegraph dispatcher and climbed steadily upward to the national position he now holds.

Merle Smith, whose address at the banquet of the Western Association of Nurserymen last January still rings in the minds of those who heard him, will address the convention on the subject, "Kansas City Parks." The convention city is famous for the outstanding features of its park areas.

These speakers take headline appearance besides those given special comment in earlier issues, such as Major R. P. Breckenridge, camouflage authority, of the United States Army; P. N. Annand, chief of the federal bureau of entomology and plant quarantine; Dr. Carl J. Drake, chairman of the National Plant Board, and others. Similarly outstanding are the speakers from midwestern states who will take part in the panel discussion for fruit tree growers, outlined in the June 1 issue.

For landscape firms, two club sessions are scheduled, on the afternoons of July 21 and 23. "Landscaping the Small Property" will be the subject of the first, in which the coleaders will be S. Herbert Hare, Kansas City landscape architect and president of the American Society of Landscape Architects, and Prof. L. R. Quinlan, of Kansas State College, Manhattan.

Mr. Hare has been a member of the firm of Hare & Hare since 1910 and has won a national reputation in planning developments of various types since. His appearance before the Western Association of Nurserymen last January impressed hearers with his ability to speak on the many phases of landscape architecture.

Prof. L. R. Quinlan received his degree of master of landscape architecture from Harvard University in 1925. He taught landscape architecture two years at Massachusetts State College, Amherst, under Prof. Frank A. Waugh. For the past fifteen years he has been in charge of the course in landscape design and superintendent of the campus at Kansas State College.

#### IN NEXT ISSUE:

"Leading Nurseries of the Kansas City Area."

The second landscape panel will be on the subject of "Selling, Credits and Collections," and the leader will be Dr. Felix Held, of the college of commerce and administration of Ohio State University. Dr. Held was dean of the College of Emporia, Emporia, Kan., from 1907 to 1911. For the



Felix E. Held.

next half-dozen years he did graduate work in several universities, receiving his doctor's degree in 1914 from the University of Illinois. He was office manager and later executive secretary for the Federal Food Administration of Ohio in 1918 and served as executive secretary of the Council on National Defense in Ohio in the same year. In 1919 he became secretary of the college of commerce and administration of Ohio State University and also professor of business organization and economics. He is prominent as a lecturer and writer on business topics, and the landscape session under his leadership is sure to be a lively and instructive one.

Having supported the national victory garden program from the outset, nurserymen will want to follow it through to the victory garden harvest shows which are expected to be held in several thousand communities next August. The products of victory gardens will be staged at these shows, and members of the trade experienced in show management will be helpful in their staging. The A. A. N. is appointing one member in each state to act in cooperation with the national committee. The original sponsor of the victory garden harvest shows and the chairman of horticultural events for Army emergency and Navy relief, J. W. Johnston, horticultural editor of the New York



Herald Tribune, will tell of the projected undertaking at Kansas City. Past president of several horticultural societies and director of the Atlantic City flower and garden pageant in its three years of operation, Mr. Johnston has executive ability as well as gardening knowledge.

### YOUNG FOLKS' PROGRAM.

Arrangements are just about complete for the entertainment of young folks who attend the A. A. N. convention. Beginning the evening prior to the official opening of the convention and continuing through the next three days, there will be special features expressly for the youngsters.

Mr. and Mrs. E. Asjes, Jr., host and hostess for the young people, working with the local committee, have arranged the following program, subject of course to last-minute changes.

#### MONDAY, JULY 20.

- 7 P.M. Meeting to get acquainted, Junior ballroom, Muehlebach, hotel. Singer and accompanist.

#### TUESDAY, JULY 21.

- 3 P.M. to 5 P.M. Young People's Brawl, Santa Fe Trail room. Magician and juke box.  
7 P.M. Attend theater or other outside amusement.

#### WEDNESDAY, JULY 22.

- 10 A.M. Visit the Nelson Art Gallery. Luncheon at Country Club Plaza.  
3 P.M. Swimming at new municipal pool, Swope park.  
7 P.M. Barbecue at Chandler's Nursery.

#### THURSDAY, JULY 23.

- P.M. Visit downtown buildings of special interest.  
7 P.M. Dinner and entertainment at Muehlebach terrace grill.



S. Herbert Hare.

### TRAINS FOR KANSAS CITY.

Replacing the proposed special train, several cars will leave Chicago on the Santa Fe Ranger, at 8:15 p. m., Sunday evening, July 19, and arrive at Kansas City the following morning, for the convention of the American Association of Nurserymen. Reservations for this group traveling from Chicago should be made immediately with W. J. Smart, D. Hill Nursery Co., Dundee, Ill.

From St. Louis a party will travel to Kansas City under the guidance of William A. Weber, Kirkwood, Mo., who in past years has arranged for special cars of St. Louis nurserymen to various conventions. Since there are many trains for Kansas City from St. Louis, he can make arrangements for one which will be convenient to the group. Persons desiring to join it should notify Mr. Weber promptly.

Similarly it is planned to make up a special car out of Dallas, Tex., on the M. K. & T., and those interested should get in touch at once with Clark R. Kidd, president of the Texas Association of Nurserymen, P. O. Box 867, Tyler, Tex. Oklahoma nurserymen, especially those in the eastern part of the state, can make reservations for space and join the party en route.

### SOUTHWESTERN NEWS.

Herbert L. Drake, Kansas City, Kan., fruit grower and vice-president of the Kansas State Horticultural Society, has announced his intention of running as a Democratic nominee for congressman from the second district.

Twenty members and friends of the Association of Kansas Landscape Architects met June 7 at Topeka. They enjoyed a fried chicken picnic lunch in Gage park, but the tour which had been planned of the famous Reinisch rose garden was rained out. In place of a regular program, those present attended the national peony show and took in some of the lectures. In the evening Mr. and Mrs. Franklin Rose entertained the group at their home for refreshments. The officers of the past year were reelected, Franklin Rose, president, and Homer Jameson, secretary-treasurer.

At a roadside improvement letting, June 10, Cook & Cone, Ottawa, Kan., were low bidders on projects in Norton and Cheyenne counties, and

W. R. Yerkes, Hutchinson, for Osborne county. June 12, Perry Lambert, Hiawatha, Kan., was low bidder for work in Riley county.

Jack Amos, for the past several years in the landscape department of the Kansas state highway commission, will become grounds superintendent at the Parsons, Kan., munitions works beginning July 1.

C. R. Burr, of C. R. Burr & Co., Manchester, Conn., went to Tyler, Tex., early in June to look after his rose-growing interests. His company has 150 acres of roses in one block at Tyler—an imposing sight—probably the largest single block of roses in the region. Mr. Burr found a large supply of roses in the Tyler area, and the condition of the crop good. The new copper-sulphur dust worked out by the experiment station at Tyler is giving excellent results in the control of black spot.

The Mount Arbor Nurseries, Shendoah, Ia., have established a nursery near Tyler for the production of rosebushes.

Charles Perkins, president of Jackson & Perkins Co., Newark, N. Y., flew to California, June 7, to see the firm's extensive rose plantations.

Marvin Shepherd, of Williams & Harvey Nurseries, and Ross Minich, of the Ross Minich Nursery, both of Kansas City, are vacationing with their families in Colorado.

The Kansas City Association of Nurserymen met at the West Avery tearoom, Kansas City, Mo., June 16, with eighteen present. Edwin J. Stark, president of the American Association of Nurserymen, made a



L. R. Quinlan.



special trip to be with them. Other guests were A. E. Willis, Willis Nursery Co., Ottawa, Kan.; W. S. Griesa, Mount Hope Nurseries, Lawrence, Kan., and Herb Boning, of the Kansas City convention bureau. President Stark expressed himself well pleased with the thoroughness with which convention plans have been worked out.

George M. Fisher, formerly landscape gardener at the University of Kansas, now in the camouflage school at Syracuse, N. Y., was married to Genevieve Herriot, June 13. Miss Herriot was a teacher of mathematics at Shawnee Mission high school, Shawnee, Kan. They are at home at 105 Nottingham road, Syracuse.

Jim Parker, veteran nurseryman, Tecumseh, Okla., has become so concerned about borer injury in orchards that he has issued a folder, mailed out at his own expense, which gives recipes for preventives and other control measures. Jim has been a leading exponent of orchard planting in the southwest for many years.

William A. Weber, of the W. A. Weber Nursery, Kirkwood, Mo., writes: "We are having one of the wettest early June spells I have witnessed in many a year. For the past ten days we have been having rain practically every day, not a general rain, but from clouds which would hover over us, and we witnessed many cloudbursts in this vicinity. The fields are so wet that no cultivating can be done. Corn in some sections is getting yellow; wheat is getting ready to harvest and the fields are too wet to get into."

#### SNEED MISSES TORNADO.

Fortunately the tornado which struck Oklahoma City, Okla., the second week in June missed the fields of the Sneed Nursery Co. by two miles. A recent hailstorm at the Muskogee nursery left no severe damage. J. Frank Sneed reports: "Our months are alternating from dry weather to abnormal rainfall. March and May were the dry months, while April and June were exceedingly wet. In spite of the weather and the war, we have had almost a normal business, and collections are fair. We have a fair stand on our lining-out stock this spring, and at present it looks as though there will be a good demand for medium-size stock throughout

**Grow Healthy Trees  
and Shrubs for  
SATISFIED CUSTOMERS!**

**FEED WITH VIGORO** *the Complete Plant Food*



**Tests Prove that Plants need  
A COMPLETE PLANT FOOD!**

Ordinary, incomplete fertilizers which supply only three or four food elements just can't do what Vigoro does. These phlox were grown in a botanical greenhouse at a famous university under identical conditions of light, heat, air and water. The only variation was in their diet. The phlox in pot C had all 11 food elements needed in balanced proportions from the soil, supplied by Vigoro. The phlox in pot B were supplied all elements except boron . . . pot A was fed all but calcium.

This photograph proves the wisdom of using Vigoro, the complete plant food, to bring nursery stock along to healthy, vigorous growth. Vigoro is clean, odorless, sanitary, easy to use.

**If you're in retail business, too!**

**SELL VIGORO!**

Make the most of the opportunity Vigoro brings to you this fall. Let folks know that you are the local source of supply for Vigoro. It means extra profits and good will for you!



**VIGORO**  
Complete plant food

*A Product of Swift & Company*

the southwest. Good laborers have been scarce, and common labor plentiful, but the war industries are now taking everybody who applies."

LEW J. LANGENESS, formerly of Lake City, Minn., has joined the sales force of the Sherman Nursery Co., Charles City, Ia., and will make his initial trip in a wholesale way about July 1. Mr. Langeness has been associated with nurseries for many years and will be pleased to call on his old friends in behalf of this firm.

REPORT by the United States Department of Agriculture says that under the Clarke-McNary and Norris-Doxie laws the equivalent of 136 square miles was started in new woodlands in the whole country in 1940.

RICHARD H. SIMPSON, of the Simpson Nursery Co., Monticello, Fla., was unopposed for election as speaker of the Florida house of representatives. Mr. Simpson is mayor of Monticello and recently was chosen for a third term as representative from Jefferson county.

# Coming Events

## ON THE CALENDAR.

[Association secretaries are invited to supply dates and places of coming meetings as soon as they are set.]

July 9 and 10, West Virginia Nurserymen's Association, Bluefield.

July 21 to 24, American Association of Nurserymen, annual convention, Hotel Muehlebach, Kansas City, Mo.

July 22 to 24, North Carolina Association of Nurserymen, annual meeting, University of North Carolina, Raleigh.

July 29 and 30, Michigan Association of Nurserymen, Michigan State College, East Lansing.

August (first week), Oklahoma State Nurserymen's Association.

August 4, Kentucky Nurserymen's Association, Martin's Nursery, Carrollton.

August 5, Wisconsin Nurserymen's Association, Holton & Hunkel Co., Brown Deer.

August 12 and 13, Southern Nurserymen's Association, annual meeting.

August 18 to 20, National Association of Gardeners, Lord Baltimore hotel, Baltimore, Md.

August 19 and 20, Texas Association of Nurserymen, annual meeting, Tyler.

September 1, Western Pennsylvania Nurserymen's Association, Pittsburgh.

September 15, Nebraska Nurserymen's Association, Harrison Nursery Co., York.

September 24 to 26, California Association of Nurserymen, annual meeting, Sacramento.

December 8 and 9, 1942, Minnesota State Nurserymen's Association, Radisson hotel, Minneapolis.

January 5 to 7, 1943, Western Association of Nurserymen, Kansas City, Mo.

January 12 to 14, Illinois State Nurserymen's Association, La Salle hotel, Chicago.

January 21 and 22, Ohio Nurserymen's Association, Deshler Wallick hotel, Columbus, following short course at Ohio State University, January 18 to 20.

## WEST VIRGINIA PROGRAM.

The annual meeting of the West Virginia Nurserymen's Association will be held at Bluefield, July 9 and 10. A program has been arranged for the afternoon of July 9 and up until late afternoon July 10.

On the afternoon of July 9 a tour covering points of interest in the vicinity of Bluefield will take place. The last stop on this tour will be the Cole-Haines Nurseries, located ten miles west of Bluefield on U. S. highway 19. The officials of these nurseries will be hosts to the crowd for a picnic and picnic dinner.

The evening meeting will be held at the West Virginian hotel, Bluefield, and will be mainly a period of dis-

cussion as to the place of the nurseryman in the economy of the nation at war. Dr. William Greenspon will talk on "What the Homeowner Expects of the Nurseryman," and Barney Parkey, Bluefield Floral Co., is to discuss "Propagation by Seeds."

The morning of July 10 will be devoted to discussing the various problems of nurserymen. Speakers on the program will include Charles Young, of the Hardie Mfg. Co., Hudson, Mich.; J. Howard Burton, of Burton's Hill Top Nurseries, Cass-town, O.; Frank S. LaBar, of LaBars' Rhododendron Nursery, Stroudsburg, Pa., and Owen G. Wood, Wood-Howell Nurseries, Bristol, Va. The annual luncheon will be held at noon, and the afternoon will be taken up with a continuation of discussions already started and the completion of business.

An attempt has been made to make this meeting sufficiently interesting to attract nurserymen in nearby states. Bluefield is located in the extreme southwestern corner of West Virginia and is within 100 miles of many nurserymen in Tennessee, North Carolina and Virginia. Visiting nurserymen will be welcome to the activities of the association.

F. Waldo Craig.

## KENTUCKY OUTING.

Announcement has been made by the executive committee of the Kentucky Nurserymen's Association that plans have been made for a one-day gathering, probably August 4. Robert Martin, owner of Martin's Nursery, Carrollton, has invited the members to his place and is preparing a barbecue for the evening meal at Butler Memorial park. This combina-

tion is remembered as providing a memorable occasion a few years ago. Butler Memorial park has splendid water for swimming, and everybody is invited to bring swimming suits, states Howard G. Tilson, secretary.

## IOWA SUMMER MEETING.

When the Iowa Nurserymen's Association holds its annual summer meeting at Charles City, July 10, it is expected that an advance guard will arrive the preceding evening, as customary. To accommodate the early arrivals, hotel rooms may be reserved at the St. Charles hotel. Information on rates has been sent out by Harley J. Deems, vice-president of the Sherman Nursery Co., which will be the host this year. Notify him if you expect to attend the summer meeting and whether you will require a hotel room.

## OBITUARY.

### Clarence V. Holsinger.

Clarence V. Holsinger, 69, professor of horticulture at Iowa State College, died June 17, at his home, at Ames, Ia. George W. Holsinger, Kansas City nurseryman and many years secretary of the Western Association of Nurserymen, is a brother.

Professor Holsinger was born on the farm of his father, Major Frank Holsinger, at the edge of Rosedale, Kan. He graduated from the Kansas State College with a B. S. degree and returned in 1895 to join two brothers in farming. Later he went to Ames as an instructor. As a professor there for twenty-one years he was known widely for his experimentation in evolving varieties of fruits adaptable to the middle west.

Surviving are his wife, Mrs. Olive Holsinger; a daughter, Mrs. John Lowell, Tucson, Ariz.; three sons, Commodore Raymond Holsinger,

## DEEP IN THE HEART OF EAST TEXAS

Are the Verhalen Rose and Evergreen Fields  
600 Acres of Sunshiny Nursery Stock

Over day from Kansas City at 9:45 A.M. through the Ozark Mountains on the Famous Southern Belle Streamliner via Shreveport, La., 10:40 P.M., 30 miles to Scottsville. Telephone Marshall, Tex., 4876.

A Texas Welcome Awaits You.

## VERHALEN NURSERY COMPANY

Scottsville, Texas

**RHODODENDRON HYBRIDS.** Grafted, hardy varieties only.

**AZALEA KAEMPFER HYBRIDS.** Named varieties; the hardiest of all Azaleas for landscape work.

**KOSTER'S BLUE SPRUCE.** Perfectly shaped; transplanted.

**EUROPEAN BEECH.** Fine specimens. Also fastigiata, pendula, Riversi.

**LILACS.** The best collection of choice varieties.

**FLOWERING JAPANESE CHERRIES.** Three outstanding varieties.

**CRAB APPLES.** Young, thrifty plants, selected varieties.

**LABURNUM VOSSL.** Grown in standard form.

## BAGATELLE NURSERY

P. O. Huntington Station, L. I., N. Y.

P. M. Koster, Mgr.

Please make request for our catalogue on business stationery.

## de WILDE'S RHODO - LAKE NURSERIES

SHILOH, N. J.

RHODODENDRONS,  
AZALEAS  
AND OTHER  
ERICACEOUS PLANTS

## ORIENTAL PLANES

All sizes up to 5-inches

Maples, Oaks, Elms, Ginkgos

## RICKERT NURSERIES

Successors to Moon's  
Morrisville, Pa.

Nursery Stock at  
Wholesale Only.



**ARTHUR DUMMETT**

61 W. Grand St. Mount Vernon, N.Y.

## BURR

Leading wholesale source for  
Nursery Stock.

Send us your Want List.

**C. R. BURR & CO., INC.**  
Manchester, Conn.

## SEEDS

TREE AND SHRUB  
PERENNIALS

**HERBST BROTHERS**

92 Warren St. New York, N. Y.

Washington; Lieutenant Colonel George L. Holsinger, San Francisco, and Lieutenant James Holsinger, Wadesboro, N. C., and three sisters.

George Walter Parker.

George Parker died May 23, at the Franklin hospital, Claremore, Okla. He was born October 21, 1879, at Aurora, Ark., the son of Lewis E. Parker, who went to Arkansas soon after the Civil war and established a nursery on Grand mountain, which still remains the property of the family.

George Parker entered the nursery business as a young man, building one of the largest nurseries in the southwest. In the years 1908 to 1927 he owned and operated Parker Bros. Nursery Co. and Arkansas Seed & Nursery Co., Fayetteville, Ark., and Kansas City, Mo. He specialized in landscape work. In recent years, he had been living at Claremore, where he established the Claremore Nurseries, operating them until his death. His brother Jim is head of the Parker Nursery & Orchard Co., Tecumseh, Okla.

Surviving are his widow, a daughter, Mrs. Thornton Alexander; three brothers, Jim, John and Elmer; three sisters, and a granddaughter.

W. B. Marshall.

W. B. Marshall, Concord, Ga., died June 5. He was born in Pike county and lived there all his life. Surviving are his widow, one daughter, five brothers and two sisters.

## NEW STATION DIRECTOR.

Dr. C. E. F. Guterman will become director of research and director of the Cornell University agricultural experiment station July 1, according to announcement by Carl E. Ladd, dean of the college of agriculture.

Dr. Guterman, now assistant director, was born at West Springfield, Mass., and graduated from Massachusetts State College in 1925. He went to Cornell that year as an assistant in the department of plant pathology. In April, 1930, he received his Ph.D. degree from Cornell. Engaged in research, he devoted some time also to extension activities in disease control of plants.

WALTER D. BROWNELL invited the inspection of the public at the Brownell Rose Research Garden, Little Compton, R. I., June 21 to July 4.

# GRAFTED STOCK

From 2 1/4-in. Pots

Ready for delivery

	10	100
<i>Cedrus atlantica glauca</i> .....	\$4.00	\$35.00
<i>Cornus florida alba plena</i> .....	3.00	27.50
<i>Cornus florida rubra</i> .....	3.00	27.50
<i>Ilex opaca femina</i> .....	3.00	27.50
<i>Ilex opaca howardi</i> .....	3.00	27.50
<i>Juniperus chinensis neaborensis</i> .....	3.00	27.50
<i>Juniperus scopulorum glauca</i> .....	3.00	27.50
<i>Juniperus squamata</i> .....	3.00	27.50
<i>Juniperus squamata argenteo-variegata</i> .....	3.00	27.50
<i>Juniperus squamata meyeri</i> .....	3.00	27.50
<i>Juniperus virginiana canaerti</i> .....	3.00	27.50
<i>Juniperus virg. elegantissima</i> .....	3.00	27.50
<i>Juniperus virginiana glauca</i> .....	3.00	27.50
<i>Juniperus virginiana globosa</i> .....	3.00	27.50
<i>Juniperus virginiana keteleeri</i> .....	3.00	27.50
<i>Juniperus virginiana kosteri</i> .....	3.00	27.50
<i>Juniperus virginiana schottii</i> .....	3.00	27.50
<i>Juniperus virginiana pendula</i> .....	3.00	27.50
<i>Juniperus virg. pyramidalis</i> .....	3.00	27.50
<i>Juniperus virg. pyramidaliformis</i> .....	3.00	27.50
<i>Juniperus sabina Vonehron</i> .....	3.00	27.50
<i>Thuja occidentalis douglasii spiralis</i> .....	2.50	22.50
<i>Thuja oc. elegantissima</i> .....	2.50	22.50
<i>Thuja occidentalis nigra</i> .....	2.50	22.50
<i>Thuja oc. rosenthalii</i> .....	2.50	22.50
<i>Thuja occidentalis wareana (sibirica)</i> .....	2.50	22.50
<i>Thuja orientalis aurea nana</i> .....	2.25	20.00
<i>Taxus media brownii</i> .....	3.00	27.50
<i>Taxus media hatfieldii</i> .....	3.00	27.50

## ROOTED CUTTINGS

From 2 1/4-inch pots

\$11.00 per 100, \$100.00 per 1000.

*Ilex crenata bullata*  
*Juniperus depressa plumosa*  
*Retinospora plumosa aurea*  
*Retinospora pisifera aurea*  
*Retinospora pisifera sulphurea*  
*Taxus cuspidata*  
*Taxus media hicksii*  
*Thuja occidentalis vervaeneana*  
*Juniperus excelsa stricta*

## HESS' NURSERIES

P. O. Box 52

Mountain View, New Jersey



# This Business of Ours

*Reflections on the Progress and Problems of Nurserymen*

*By Ernest Hemming*

## THE RHYTHM OF PLANT GROWTH.

We are likely to look on the growth of a plant as a continuous performance except during its dormant period, yet the reverse is true. Every plant has its own particular rhythm or cycle of growth. This rhythm is no doubt caused by the plant's adaptation to the conditions under which it was growing in its native habitat.

If we need a million pocketknives or any other manufactured article, we go ahead and make them regardless of time of year, weather conditions, locality or anything else. If we need a million white oaks, that is something else again. The oak is a living organism and we have to conform to the natural laws to produce it.

Nursery practice has been largely brought about by the trial and error method, which has become routine, and so we seldom ask ourselves why.

Yet to be a good craftsman you have to know the rhythm of plant growth so as to be able to work in harmony with the natural laws.

When I was a cub at Dickson's Nurseries, Chester, England, the first lecture I ever received on the subject was by an old gardener and was brought about by my overwatering freshly potted geraniums. He pointed out that the plants made root growth first and then there seemed to be a halt and the top growth was faster, and when the pots became filled with roots the leaf growth was checked in favor of bloom and, incidentally, that was the time to feed the plants.

We are all likely to forget, from the plant's point of view, its sole object is to reproduce itself. The practice of horticulture is largely a matter of getting the plant to divert its objective to catering to our pleasures and needs, and unless the plantsman knows the rhythm or cycle of growth in the different kinds of plants he cannot work knowingly and intelligently with them.

In a nursery we try to grow plants

from all parts of the world, differing widely in conditions and climate, and we give them routine treatment in one particular spot. It is a wonder we succeed as well as we do, especially the nurseryman; the florist more or less controls the conditions.

While knowledge of a plant's original habitat is a great help to the grower, it is far from explaining the plant's habits. As an illustration, the Japanese maples complete their season's growth in about three weeks in early spring, while the Japanese privet continues its growth until late fall or until frost stops it. Whatever may be the cause, the grower who is familiar with the different rhythms of growth of these two plants is certainly in a position to attain the most success in growing and handling them.

The rhythm of growth is largely governed by the way light, heat and moisture are distributed over the earth's surface in their endless variations.

Those plants native above the frost line adapt themselves to a dormant period and a growing period, temperature being the governing factor, while below the frost line lack of moisture during the dry season brings about the resting period.

All of us are familiar with the rhythm of the growth of the spring-flowering bulbs, such as the daffodil,

tulip and hyacinth; how the bulbs store up food the year previous, forming their buds in the fall so as to be ready to produce their flowers the first warm days in spring. The florist takes advantage of this to force them into flower much earlier than they would normally bloom. The same thing applies to shrubs and trees that form their flower buds the fall previous, such as azaleas, rhododendrons, spiraeas, deutzias, etc.; in fact, all shrubs that bloom before May 1 outdoors are possible subjects for forcing in the greenhouse if they are handled in harmony with their cycle of growth.

All these things are so well known as to be hardly worth recording; it is such a matter of routine that we seldom ask why. It is the plant whose cycle of growth is not so well defined that often puzzles the plantsman.

Nurserymen are suspicious of the hardness of plants that keep on growing in late fall, as compared with those plants that ripen their wood earlier in the season, yet there are no rules that are applicable.

It is, however, very important to know when a plant makes its growth

## Cherry Trees

Our cherry trees are getting off to a mighty good start, and from all indications they will end up at least a nose ahead of the past few years. We also have some mighty fine blocks of 1-year Peach, Pear, Plum, Apricot and 1 and 2-year Grapes.



See our representative, Lee McClain, at the National Convention for special quotations, or write



**Washington Heights  
Nurseries**

Box 3065, Station A  
Knoxville, Tenn.

## GRASS SEEDS

*of Fine Quality*

**We Specialize in Domestic  
and Imported Turf Grasses**

*Ask for samples and prices  
Also free subscription to Lawn Care*

**O. M. SCOTT & SONS CO.  
MARYSVILLE • OHIO**



**WRITE US ABOUT—**

- \* Evergreen Liners
- \* Hardy Shrubs
- \* Shade Trees
- \* Specimen Evergreens
- \* General Assortment of Stock

**SHERMAN NURSERY CO.**

Charles City, Iowa

**EVERGREENS**

A complete assortment

Young Thrifty

Well Grown  
Transplanted

Write Us

**JACKSON & PERKINS COMPANY**

Newark, New York

**RAFFIA****FOR BUDDING  
and TYING**

We can offer for immediate shipment **GENUINE MADAGASCAR RAFFIA** as well as **"CONGO" RAFFIA**.

**Thomas B. Meehan Co.**  
DRESHER, PA.

**BOBBINK & ATKINS**

Rhododendron Hybrids

Climbing Vines

Azalea Mollis

Cotoneasters

East Rutherford, New Jersey

**Evergreens****Barberry****Privet**

Write for wholesale price list.

**GARDNER'S NURSERIES**

Rocky Hill, Conn.

in order to get the best results in pruning and shearing.

The boxwood completes its growth by June. If sheared before then, it looks well; if sheared after, the shear marks remain. Some seasons there is a straggling second growth in the fall, but it is not important.

June is a good month to prune and shape the American holly, along with evergreens such as junipers and thuja. In fact, nearly every nursery operation is more or less governed by natural laws, and the more the plantsman understands them and the more intimate he is with the different plants, the more successful he will be.

E. H.

**INTERNEED IN NURSERY.**

A civilian public service camp has recently been established near Howard, Center county, Pa. The camp will be the temporary home for men of religious sects opposed to war.

Most of the men are of the Amish and Mennonite faiths and, according to C. V. Miles, supervisor of the camp, "are expert farmers," and as such are expected to speed up the production of nursery products for public grounds in the eastern states.

The nursery will supply undercover shrubs for game preserves, conifers and deciduous seedlings, shipping the material from Maine to West Virginia. Grasses and ground covers used in soil conservation will be grown in other areas.

The Howard camp was originally a C.C.C. operation and for more than a year has received little or no attention. The first task, according to the supervisor, will be to clear off the weeds and underbrush that have accumulated during the time the camp was idle.

Nineteen men were in the camp last month, and it is expected that from fifty to seventy-five more will arrive soon. Some of the men have worked on the soil conservation project at Sidling Hill near the entrance to the Pennsylvania turnpike, since the selective service law became effective. A large number, however, are from the men called recently by the various draft boards.

Mr. Miles, who has been in the soil conservation service for seven years, is in charge of the camp, and Harry Hottel, former director of the C.C.C. camp, will supervise recreational activities.

E. F. R.

**LAKE'S  
SHENANDOAH NURSERIES**

A general and complete  
assortment of choice  
NURSERY STOCK  
for Fall and Spring  
delivery

Shenandoah, Iowa

1893 1942

**We Offer—**

FOR 1942

SHRUBS EVERGREENS  
SHADE TREESAPPLE, PEACH, CHERRY AND  
PEAR TREES IN ASSORTMENT.BARBERRY—Green and Red  
CALIFORNIA PRIVET

2-yr. ASPARAGUS PLANTS, etc.

Write for trade list.

**THE WESTMINSTER NURSERIES**  
Westminster, Maryland**BETTER GRADE LARGE SIZE  
EVERGREENS AND SHADE TREES**

For Housing projects and all other  
jobs where quick effects are needed.

Firs - Pines - Spruces - Maple - Ash -  
Oak - Linden - and many other varieties.

Price list and complete information will be  
sent on request. Or better send your want  
list.

**LITTLE-TREE FARMS, Inc.**  
Framingham Centre, Mass.

**LINING-OUT STOCK**

*Tsuga canadensis*, *Abies balsamea*,  
*Picea rubra*, *Pinus Strobus*, *Acer*  
*rubrum* and *saccharum*; *Betula lenta*,  
*lutea*, *papyrifera* and *populifolia*;  
*Fagus americana*, *Fraxinus americana*,  
*Prunus pennsylvanica* and *serotina*  
and many other trees and shrubs.

**L. E. Williams Nursery Co.**

P. O. Box 147, Exeter, N. H.

*"A friendly, efficient sales service"***E. D. ROBINSON****SALES AGENT**

28 So. Elm St. P. O. Box 285

**WALLINGFORD, CONN.**

Representing  
Adams Nursery, Inc.  
Bristol Nurseries, Inc.  
Barnes Brothers Nursery Co., Inc.  
North-Eastern Forestry Co., Inc.  
A. N. Pierson, Inc.

A complete line of well grown hardy plant material  
Evergreens and Lining-out Stock

# Diseases of Trees

*Gleanings from the Latest Reports of Scientific Research*

*By Leo R. Tebon*

## DIAMOND CANKER OF THE FRENCH PRUNE.

About 1932 a disease of the French prune (*Prunus domestica*, variety Agen) was observed in California, to which the name diamond canker was given. When a tree is attacked, parts of the trunk and branches become greatly thickened, and diamond-shaped or oval excrescences appear on the main branches. These excrescences are most likely to appear at pruning cuts, bruises or the gummosis lesions caused by the bacterium *Phytophthora cerasi*. They expand upward in a manner suggesting that the disease is spreading systematically in the tree.

At the time the disease was discovered, the cause of it was not determined, and in the years since then this question has not been solved. However, in a recent report of research Dr. Ralph E. Smith, of the University of California's division of plant pathology, adduces evidence suggesting that diamond canker is another to be added to the growing list of *Prunus* virus diseases. He proves, at least, that the disease can be transmitted by diseased stalks to normal scions grafted to them.

In individual orchard trees, Dr. Smith reports, diamond canker does not as a rule become noticeable until the trees have reached an age of six to eight years. Then cankers form in wound-healing calluses on the trunk or at the first fork. After the body of the tree becomes thoroughly affected, the disease manifestly progresses upward in the main branches. Following this, vigorous suckers shoot up from the body and root, those from the body, if they originate in cankered bark, also showing symptoms of the disease. The progress of the disease is slow; in all but the worst cases, many years may elapse without there being much evident change in the tree.

The manner in which diamond canker appears and develops in young prune orchards makes it appear that the trees were already infected with the disease, in latent

condition, when they were planted. When, for example, adjoining blocks of trees in the same orchard are purchased from different nurseries, the disease may develop abundantly in one block of trees and not at all in other blocks. But there are also indications that the development of diamond canker is governed by local conditions, though these conditions are not understood. In some good-size plantings, diamond canker is not distributed uniformly, but tends to appear in definite small areas, between which many normal trees intervene. The outstanding peculiarity of these areas is that they present conditions favorable to the appearance of the bacterial gummosis, or sour-sap disease, a fact made evident by the tendency of the diamond canker to occur after gummosis lesions have appeared.

The cause of diamond canker is still an unsolved problem. It once was thought that trees showing the canker were a sport or strain of French prune and that the canker was not a pathological condition. That the canker is not the result of attack by any parasitic bacterium or fungus seems clearly demonstrated, since for years laboratory cultures of affected trees have failed to yield any organisms that could be suspected. Some of the characteristics of the disease suggest that it may be due to a virus, and this possibility has been partially substantiated by transmission through grafting. That it may definitely be limited to French prune is also suggested by the grafting experiments.

Two badly infected, large-size French prune trees were top-grafted with scions of clean French prune, Stewart prune, sugar prune, imperial prune and Burton prune. All scions grew and, commencing with the second year, the diamond canker disease became evident in the growths of French prune scions. It did not, however, appear then or later in the scions of the other prune varieties, although it continued to be more and more pronounced in the French prune scions over a period of six years. On the other hand, buds taken from symptomless shoots produced on affected trees, if grafted on uninfected trees, do not bring about the development of cankers on the healthy stock trees. This fact, borne out by extensive experiment, appears to indicate that if the disease is of virus origin, the virus must be well localized, and not systemic as viruses usually are, in the affected tree.

In several respects diamond canker much resembles the disease of citrus trees known as scaly bark, or psoriasis. This citrus disease, admitted to be of virus origin, is transmitted exclusively by budding from or upon affected trees, but it may remain latent in a tree for as much as thirty years before bark symptoms become evident.

L. R. T.

## CEASE AND DESIST ORDER.

The Gardner Nursery Co., Osage, Ia., has entered into a stipulation with the Federal Trade Commission to cease and desist from making, by means of radio, catalogue or other advertising, any deceptive or exaggerated statement which tends to mislead the public as to the size, quality or probable growth of so-called "trees" or other nursery stock sold by the respondent. The stipulation points out that "fine young

## OFFERING AT HALF PRICE

*Euonymus alatus compactus*, 12 to 15 ins., 15 to 18 ins., 18 to 24 ins., 3 to 3½ ft.

*Euonymus patens*, 18 to 24 ins. and 2 to 3 ft.

*Andorra Juniper*, 2 to 3 ft. and 3 to 3½ ft.

*Pfitzer Juniper*, 2 to 3 ft.

*Cornus racemosa*, 2 to 3 ft., 3 to 4 ft. and 4 to 5 ft.

10,000 Other Plants. OFFER LIMITED to cash transactions made before August 15.

**Varsity Landscape Service, Lafayette, Ind.**

**MOUNT ARBOR NURSERIES**

E. S. Welch, Pres. - Est. 1875 - Shenandoah, Iowa

--- Wholesale Only ---

"One of America's Foremost Nurseries"

For 1942 - 1943

**FRUIT TREE SEEDLINGS**

Washington-grown

**APPLE - MAHALEB****MYROBALAN - PEAR, Bartlett****ROSES**

California-grown - Winter &amp; Spring 1943

**LARGE ASSORTMENT - BEST VARIETIES**Large growers of **FRUIT TREES, SMALL FRUITS, ORNAMENTAL TREES, SHRUBS, EVERGREENS, VINES and PERENNIALS.**

Send want list for prices.

Ask for complete FALL TRADE LIST, ready in September. A COMPLETE line of General Nursery Stock.

**CHASE OFFERS**

For '42-'43

Sturdy and pot-bound.

**Abelia Edward Goucher, 2 1/4-in. pots, 10c**

One of the finest new items in the broad-leaved line. Flowers are large and rich pink. Foliage very glossy. Excellent compact pendulous habit of growth. Hardy as grandiflora.

**Euonymus patens, 2 1/4-in. pots, 8c****Ilex crenata rotundifolia, 2 1/4-in. pots, 12c**

"Watch Chase's Liners Grow Into Dollars For You."

**CHASE NURSERY CO.**

Chase, Ala.

**PIN OAK - SUGAR MAPLE**

SEEDLINGS and TRANSPLANTS in full range of sizes. Finest stock in middle west at special early season prices.

**MOUNT HOPE NURSERIES**

Lawrence, Kansas

(Located 46 miles west of Kansas City)

**NICK'S JUNIPER GRAFTS**

Grown in 2 1/4-inch pots on Red Cedar.

Orders are booked now for Spring 43 delivery.

**NICK'S NURSERY**

Anchorage, Ky.

**KOSTER COMPANY, INC.**Lining-out Stock  
of Top Quality**BRIDGETON, N. J.**

Write for catalogue.

**PRINCETON NURSERIES**

of PRINCETON, N. J.

**SUPERIOR****Hardy Ornamentals****PRIVET and BERBERIS**

Splendid Stock

Write for Special Quotations

**LESTER C. LOVETT**

MILFORD

DELAWARE

shade trees" advertised by the respondent as averaging about a foot in length which would grow to a height of fourteen feet in one year or twenty feet in three years consisted largely of shoots or cuttings so small that their development often required years of special care.

According to the commission's statement, the respondent also agrees to cease representing that the usual or customary price charged for its products is a special, advertising or introductory price, or that an offer is special when actually it is a regular offer; and to discontinue the use of any statement implying that the entire amount paid by a purchaser, including the cost of packaging and mailing, will be refunded when in fact the entire amount is not promptly refunded as represented in the respondent's money-back guarantee.

**NEWARK ROSE FESTIVAL.**

The rose festival held again this year at Newark, N. Y., was notable not only for the entertainment features and the gardens of the Jackson & Perkins Co., but also as the inauguration of the victory garden harvest shows. Cornell University staged a model show, indicating how competitive classes for flowers, fruits and vegetables may be staged, accompanied by demonstrations in canning methods, lectures on food conservation and the like.

While the rose festival continues from June 15 to July 5, the victory garden harvest show was set up from June 19 to 28. The week-end of June 20 and 21 was notable for army and navy relief events, the proceeds from the admission charge to the Jackson & Perkins gardens, as well as from the various events, going to the relief fund. Mrs. George C. Marshall, wife of the army chief of staff, was among the celebrities present. Representing the A. A. N., President Edwin J. Stark, Vice-president Frank S. LaBar and Secretary Richard P. White were in attendance.

**INSTITUTE CATALOGUE.**

The State Institute of Agriculture at Farmingdale, Long Island, N. Y., announces its new catalogue, featuring the practical training offered to high school graduates in its 2-year course. The fall semester will open September 28.

**TAXUS**

**cuspidata, brevifolia,  
media, capitata, hicksi,  
aurea and repandens**

in medium and large sizes

Also Boxwoods and  
**Juniperus pfitzeriana**

Ask for price list

**W. A. Natorp Co.**

4400 Reading Rd.  
Cincinnati, Ohio

**EVERGREENS**

Fine assortment of the best  
types of B&B Evergreens.

**HOLTON & HUNKEL CO.**

Milwaukee, Wis.

Nursery at Brown Deer, Wis.

**EVERGREENS**

For Seventy-eight Years  
Growers of Quality Evergreens  
Lining-out Stock a Specialty  
Write for Trade List

**EVERGREEN NURSERY CO.**

Established 1864 : STURGEON BAY, WIS.

**HILL'S EVERGREENS**

Complete assortment of lining-out sizes  
Also larger grades for landscaping  
Send for our wholesale catalogue

**D. HILL NURSERY CO.****EVERGREEN SPECIALISTS**Largest Growers in America  
Box 402 DUNDEE, ILLINOIS

Wholesale growers of the best  
Ornamental Evergreens,  
Deciduous Trees,  
Shrubs and Roses.

Write for our current trade list.

**THE KALLAY BROTHERS CO.**

Painesville, Ohio

**EVERGREENS**

Liners and Specimens

**SNEED NURSERY CO.**

P. O. Box 798, Oklahoma City, Okla.

**BURTON'S**

HEADQUARTERS FOR  
EVERGREEN GRAFTS, TRANSPLANTED  
EVERGREENS, SHRUB LINERS.  
BARE ITEMS YOU DO NOT  
FIND IN MOST LISTS! Write!

**HILLTOP NURSERIES**

LANSING, OHIO



## Orders from Washington

### PYRETHRUM RESTRICTED.

Pyrethrum is the latest insecticide material to come under the ban of the War Production Board. It was placed under complete allocation and end use control by general preference order M179 June 14. Rotenone was previously restricted by conservation order M133 some weeks ago.

### OSNABURG RESTRICTED.

When burlap became scarce in this country, production of Osnaburg was increased and its use permitted as a substitute to ball nursery stock. But in its amendment of June 6 to the Osnaburg order, the War Productions Board prohibited manufacturers from selling except on defense orders. The amendment provides, however, that "irregulars, seconds or cuts" under forty yards in length, up to a total of six per cent of production, may be sold without restriction.

### BULLETIN ON PRICE RULES.

The Office of Price Administration has issued a bulletin, "What Every Retailer Should Know about the General Maximum Price Regulation," an announcement of which regulation was made in the May 15 issue.

This bulletin has been prepared to set forth as simply as possible the essential features of retail price control. It contains much material of immediate interest to retailers. Only some garden supply items are affected, as plants are not included in the price regulations.

### TRUCK GAS RATION.

Regulations of the Office of Defense Transportation will control the amount of rations to be issued trucks under the new coupon plan for gasoline rationing which the Office of Price Administration will put into effect on the east coast this month. The rationing plan itself will not restrict operations of these vehicles.

Owners of trucks operated for commercial purposes will apply for "S" coupon books. These applications will be filed with a local rationing board.

The applications will require specific information on mileage require-

ments for a period of three months. All claims for mileage set out in this application must be strictly in accordance with the ODT regulations.

All users of gasoline in the "S" category are required by the Office of Defense Transportation to maintain adequate records of mileage and gallonage.

Each "S" book will contain enough coupons for three months. The applicant may apply for another "S" book at any time after the three months' period is over. But during that period he cannot get more rations except in case of unforeseen emergency.

### REVISE REGULATIONS.

Revision of the administrative instructions on treatment of nursery products and soil for the Japanese beetle was announced by the federal bureau of entomology and plant quarantine last month, in the first revision of supplement 4 to B.E.P.Q. 499.

Under the ninth revision of B.E.P.Q. 485, effective May 11, certification requirements for the interstate movement from the regulated areas under the white-fringed beetle quarantine are waived for the period from May 11 to July 31, 1942, for certain articles and materials, among

them nursery stock, including all annual and perennial plants.

The bureau last month announced the addition of a considerable list of items to the representative genera of plants imported for propagation purposes for which quantity limits have been determined and also amended the previous limitations by increasing the quantity specified by twenty-five per cent for both the original and supplemental list.

Experience and further experiments in paradichlorobenzene fumigation for the treatment of plants after digging to free them from infestation by Japanese beetle permit modification of treating requirement approved June 9, 1939, without increasing risk of spread. Accordingly, the instructions authorizing the use of this method are revised to reduce the period of treatment from five to three days, under amendment issued by the federal bureau of entomology and plant quarantine effective May 18.

### WHITE-FRINGED BEETLE QUARANTINE REVISED.

The federal white-fringed beetle quarantine and regulations have been revised, effective May 9, 1942. The regulated areas in the four quarantined states of Alabama, Florida, Louisiana and Mississippi have been extended to include new sections in which the beetles have been found since the original quarantine was

## WRITE FOR 10-DAY TRIAL OFFER on this High Pressure PARAGON SPRAYER



TEST it for yourself. Compare results with what you have been getting from your present sprayer. Use any spray solution or cold water paint. Spray your nursery stock, whitewash your greenhouses, barns and tool sheds, **inside and out**. Note how easily this **Paragon** delivers powerful uniform pressure at the nozzle with little effort at the pump handle. Passes through narrowest aisles without jamming at corners. Automatic agitator prevents solution from settling. We guarantee it **never to clog** while in use. Ten days trial costs you nothing if not satisfied. If your dealer does not sell the Paragon, mail the coupon today.

The  
**Campbell-Hausfeld  
Company**  
703 State Ave.  
Harrison, Ohio



1 or 2 wheel truck

Send prices and details as per advertisement in American Nurseryman for July 1.

Name \_\_\_\_\_ Post Office \_\_\_\_\_  
Street \_\_\_\_\_ State \_\_\_\_\_



**HOBBS****PEACH**, Leading Varieties.**ELM**, American, 8 to 10 ft. up to 2 1/2 in.**MAPLE**, Norway, 8 to 10 ft. up to 5 in.**WILLOW**, Thurlow, 8 to 10 ft. up to 3 1/2 in.

Large stock of Evergreens up to 5 to 6 ft.

Juniper, Pfitzer, 1200 3 to 5 ft.

Shrubs, Roses, etc.

**C. M. Hobbs & Sons, Inc.**

Bridgeport, Indiana

Oldest and Largest Nursery in Indiana  
Established 1875

We are offering the following stock for very early fall delivery. Please ask for our Wholesale Price List which will be ready to mail about July 15.

Per 1000

**Juniperus Virginiana**, Red Cedar 4 to 5 in., seedlings.....\$5.00

6 to 12 in., seedlings.....7.00

**Hall's Honeysuckle**.....6.00

Good liners.....15.00

Good clumps, well branched.....8.00

**Vine Minor**.....12.00

Good clumps, well branched.....\$3.00 per 100.

**Jasmine White Star**, 12 to 15 in.

Please order now for early delivery.

**HIGHWAY GARDENS NURSERY**R.F.D. 3, Highway No. 55  
McMinnville, Tenn.

Grafted varieties of Black and English Walnut. Selected varieties of Native Persimmon. Budded Sweet and Sour Cherry Trees. Wazard and Mahaleb Cherry seedlings. Catalogue on request.

45 years growing trees.

**J. F. JONES NURSERIES**

Dept. T-142 Lancaster, Pa.

500 Juliana Barberry, R.C., 5c each.  
500 Pyracantha lalandi, R.C., 5c each.  
100 Polygonum Vines, R.C., 5c each.  
Well rooted. Cash, please.**BARDONA NURSERY**

Bakerstown, Pa.

**NORTHERN-GROWN NURSERY STOCK**  
Evergreen Liners — Specimen Evergreens, B&B — Hardy Fruit Trees — Hardy Apple Seedlings — Ornamental Shrubs — Lining-out Shrubs, Trees and Vines. Write for price list.**J. V. BAILEY NURSERIES**

Daytons Bluff Sta. St. Paul, Minn.

**SHRUBS, EVERGREENS, FOREST AND SHADE TREES, VINES AND CREEPERS, NATIVE PLANTS**

Write for Trade List

**FOREST NURSERY CO., INC.**

J. R. Boyd, Pres. McMinnville, Tenn.

**FLORASPRAY**

The Ideal Spray for the Home Gardener. Attractively bottled, good profit. 2-oz. size retails for 60c.

Write for Dealers' Prices.

**POTTER NURSERIES**

Huntington, W. Va.

put into effect more than three years ago. The newly added sections are for the most part adjacent to the old infested areas, including the vicinities of Florala, Mobile and Monroeville, Ala.; Pensacola, Fla.; New Orleans, La., and Gulfport and Laurel, Miss.

Part of the area at Monroeville—some eighty-four square miles—has been released from quarantine, however, as repeated inspections indicate there are no beetles there now. Because several communities in the vicinity of Hattiesburg, Miss., have been found infested, the regulated areas in that state have been extended to include parts of the counties of Forrest, Covington and Lamar, and a small area in Pear River county not heretofore under regulation. Parts of Dallas and Escambia counties, Ala., and of Iberia and St. Tammany parishes, La., are also brought within the regulated area for the first time.

Among the commodities placed under regulation throughout the year (unless exempted by administrative instructions) are grass sod, peanut hay, lily bulbs and nursery stock including greenhouse-grown annuals and perennials. All restrictions are lifted on the movement of sweet potatoes, peas and beans.

There is a new regulation as to the cleaning of railway cars, trucks and other vehicles, and another permitting the shipping of live specimens of white-fringed beetles for scientific or experimental purposes as specifically authorized.

**CORNELL FORESTRY HEAD.**

Arthur B. Recknagel, professor of forestry at Cornell University since 1913, has been appointed head of the forestry department to succeed Ralph S. Hosmer, who will retire July 1.

A native of Brooklyn, the appointee was graduated from Yale in 1904 and received the degree of master of forestry from the Yale forestry school in 1906. He was in the United States Forest Service from 1906 to 1913 except for the year 1911-12, when he studied in Europe.

His main interest at Cornell and throughout his career as a professional forester has been the development of private forest practice. Much of his field work has been as consulting forester for large private timber owners.

**CONTRACT NOW!**

... For ...

**Fall '42 and Spring '43****Raspberry Plants****Red Lake Currant****Rhubarb**

MacDonald—Ruby—Canada Red

**America Plum Stocks****Northern Apple Stocks****Forest Tree Seedlings**

Ash—American Elm—Chinese Elm

**ANDREWS NURSERY CO.**

FARIBAULT,

MINN.

**SMALL FRUIT PLANTS**

Evergreens—Shrubs

Lining-out Stock

Send for Complete Trade List

**W. N. SCARFF'S SONS**

New Carlisle, O.

**Wholesale Growers of**

Grapevines, Currants, Gooseberries,

Blackberries and Raspberries

Let us quote on your requirements

**FOSTER NURSERY COMPANY, INC.**

69 Orchard St.

Fredonia, N. Y.

**PEACH PITTS**Our Pits Compare Favorably  
With the Best**HOGANSVILLE NURSERIES**

HOGANSVILLE, GEORGIA

**WILLIS NURSERY CO.****Wholesale Nurserymen**

Ottawa, Kansas

**Ask for WHOLESALE CATALOGUE No. 17**

1500 VARIETIES

IRIS AND PEONIES

**QUALITY!**

C. F. WASSENBERG - Van Wert, O.

**PROFITABLE PEONIES**

Best varieties. Attractive prices.

Fine quality roots, liberally graded.

30th Annual Catalogue ready.

**HARMEL PEONY CO.**Growers of Fine Peonies since 1911.  
Berlin, Maryland**PEONIES**We can make you special  
prices on quantity lots.**PHIL LUTZ PEONY FARMS**

Boonville, Ind.

### STEINMETZ ADDRESSES WESTERN PLANT BOARD.

Representing the American Association of Nurserymen, Avery H. Steinmetz, past president, spoke at the meeting of the Western Plant Board, June 22, at Salem, Ore., on "The Nurserymen's Viewpoint on Plant Quarantines."

After spending two weeks in California in behalf of the Portland Wholesale Nursery Co., Portland, Ore., Mr. Steinmetz will head for Kansas City to attend the A. A. N. convention. He states there will be a fair attendance from the west coast.

### OREGON NOTES.

Members of the Portland Nursery Club were highly entertained at their June dinner meeting at the Town Tavern, Portland, Ore. Edgar Kline, lily grower, of Oswego, Ore., showed color slides of many of his lilies, giving a comprehensive description of each variety as he showed it. His collection includes many new novelty and commercial varieties. He probably has the most complete assortment of lily slides in color available. The club is making a practice of inviting speakers to its meetings who have something of education as well as entertainment to offer. Albert McKay, of Hood Acres, Troutdale, is program chairman; Sam Rich, of Rich & Sons, president, and Frank Schmidt, Jr., of J. Frank Schmidt & Sons, Troutdale, secretary.

Nurserymen in the western Oregon region are having one of the wettest growing seasons on record. Controlling the weeds is a problem, which is offset by increased growth and fewer pests to date.

The Oregon A. A. N. chapter met at the office of the Portland Wholesale Nursery Co., Portland, Ore., June 14. Officers elected for the ensuing year are: President, E. C. Peterson; vice-president, S. J. Vermeul; secretary, Wayne Melott. Delegates to the Kansas City convention will be C. B. Miller, Sam Rich and Earl Houseweart.

THE Washington State Nurserymen's Association met June 25 at the New Washington hotel, Seattle, on the call of the secretary, Harold T. Hopkins. The state A. A. N. chapter met at the same time.

A LICENSE to operate a wholesale and retail nursery business at 11162 Santa Monica boulevard, Los Angeles, Cal., was recently granted Karm Singh.

THE Eastgate Nursery, Wilshire and Sepulveda boulevards, Los Angeles, Cal., has been sold to F. C. Tomlinson by John H. Sato and K. Akiyama.

MANAGER of the San Fernando Nursery Co., San Fernando, Cal., for the past eleven years, Henry W. Carter recently purchased the business and will operate it as Carter's San Fernando Nursery, with no change in policy or personnel.

THE third annual picnic of the Superior California Nurserymen's Association was held June 21 on the country estate of Dr. June B. Harris, Sacramento. A buffet luncheon, the annual baseball game between the nurserymen and the Parasites, a barbecue dinner and athletic events furnished a full program for afternoon and evening.

### Rare Bulbs and Plants

Agapanthus, dwarf  
Alstroemeria in variety  
Bletilla, hardy orchid  
Brodiaea, hardy varieties  
Gladiolus, winter blooming  
(two new hybrids)  
Leucocoryne  
Moraea in variety  
Paspheae coerulea, new, true blue, beautiful.

All the above, native to South Africa, South America or Asia, are grown by us and do well in this climate. Many are also hardy.

Delivery late summer and fall.

### Wholesale Only

Ask for dealer's descriptive catalogue and price list.

### Las Positas Nursery

Box 750  
Santa Barbara, California

### We offer a Complete Line of

FRUIT and NUT TREES  
SHADE and FLOWERING TREES  
ROSES and SMALL FRUITS  
Guaranteed Quality

Carlton trees are expertly grown on new, clean land, liberally graded, carefully handled, packed and shipped to arrive in perfect growing condition. We guarantee 100% Satisfaction.

Write for Price List.  
Send Want List for special quotations before you buy.

**CARLTON NURSERY CO.**  
Carlton (Since 1890) Oregon  
(Wholesalers for a Half-century)

## AMERICAN NURSERYMAN

KNIFFING BROS. NURSERIES, located for eighteen years at Hawk street and Fort Stockton drive, San Diego, Cal., have moved to 5503 El Cajon boulevard.

SCOTT WILMORE, of the W. W. Wilmore Dahlia Farm & Nursery, Denver, Colo., attended the Kiwanis convention, June 14 to 18, at Cleveland, O., as delegate from Jefferson county.

FRANK SKINNER, of the Manitoba Nursery, Dropmore, Man., Canada, was the featured speaker at the second annual short course of the Minnesota Rose Society, at University Farm, St. Paul, June 23.



### SHERWOOD NURSERY CO.

EVERGREENS - Propagators & Growers  
141 S. E. 65th Avenue PORTLAND, ORE.

Leading  
Evergreen Propagators  
of the  
Pacific Coast.

### MILTON NURSERY CO.

A. Miller & Sons, Incorporators  
MILTON-Since 1878-OREGON

### OUR SPECIALTIES

Birches—Flowering Cherries, Crabs and Plums—Chinese Elm—Hawthorns—Lilacs—Lindens—Flowering and Globe Locusts—Columnar, Globe, Norway and Schwedler Maples—Mountain Ash—Oregon Grape—Oriental Plane—Willows.

### FRUIT TREE SEEDLINGS

Send us your Want List for Quotations.  
Combination Carloads to Eastern distributing points at minimum freight cost.

California Field-grown

### ROSEBUSHES

Dependable  
Howard Rose Co.  
HEMET, CALIFORNIA



## NATIONAL PEONY SHOW.

At the thirty-ninth annual show of the American Peony Society, at Topeka, Kan., June 6 and 7, trade exhibits were made by the Cloverset Flower Farm, Kansas City, Mo.; Brand Peony Farms, Faribault, Minn., and Gurney Nursery, Topeka.

The Interstate Nurseries, Hamburg, Ia., a large exhibitor at other shows, was prevented from participation this year by the loss by accident of several thousand blooms in storage.

Prominent among the prize-winners were A. L. Utz, St. Joseph, Mo.; J. N. Bernstein, Lincoln, Neb.; Vories Peony Fields, St. Joseph, Mo.; L. D. Glasscock, Elwood, Ill.; Frank E. Moots, Newton, Kan.; Myron Bigger, Topeka, Kan.; J. A. Bongers, Ottumwa, Ia.; H. D. Huntington, Onowa, Ia., and Joe Warner, Topeka.

At the annual meeting of the society's directors, officers elected were as follows: President, L. W. Lindgren, St. Paul, Minn.; vice-president, John A. Bongers, Ottumwa, Ia.; secretary, W. F. Christman, Northbrook, Ill.; treasurer, W. W. Cook, Clinton, Ia.

Among the directors who attended the meeting were Dr. Earle B. White, Kensington, Md., retiring president; George W. Peyton, Rapidan, Va.; Harry F. Little, Camillus, N. Y.; Charles F. Wassenberg, Van Wert, O.; A. M. Brand, Faribault, Minn., and the officers mentioned above.

## SHOW PEONIES AT BOSTON.

Although peonies were not so prominent as in other years at the June exhibition of the Massachusetts Horticultural Society, at Boston, on account of the heat wave, the Cherry Hill Nurseries, West Danbury, Mass., staged their usual large displays and just about swept the premium classes. The firm received a special award for a display of *Kalmia latifolia*. William N. Craig, Falmouth, Mass., staged a group of hardy perennials in sixty varieties, as well as a group of lilies.

## CHERRY ROOTSTOCKS.

Observations by the Michigan station on Early Richmond cherry trees planted in 1931, part on mahaleb and part on Morello roots, showed the mahaleb-rooted trees to be upright-

spreading in form with relatively thick branches and shoots, whereas the Morello-rooted trees have assumed, to a certain extent, the natural growth habit of the Morello. Measurements at the end of the seventh season showed trees on mahaleb to average 14.3 inches in trunk circumference as compared with 8.5 inches for the Morello-rooted trees. Tree spread and width were also markedly less in the case of the Morello-rooted group.

MARION KILLMER, son of Earl C. Killmer, of Killmer's Northern Nurseries, St. Paul, Minn., was married June 20 to Miss Virginia Massic at Grand Marais.

## PORTLAND WHOLESALE NURSERY CO.

306 S. E. 12th AVENUE Avery H. Steinmetz PORTLAND, OREGON

## Quality Stock

CONIFERS AND BROAD-LEAVED  
EVERGREENS  
SHADE AND FLOWERING TREES  
FRUIT TREE SEEDLINGS  
FRUIT TREES  
DECIDUOUS SHRUBS  
VINES AND BULBS  
PORTLAND ROSES

OREGON is enjoying a favorable growing season. Our stock is getting the best of care.

TULIP BULBS. FORCING AZALEAS. CAMELLIAS. DAPHNE. NURSERY SUPPLIES.

Write for our Catalog

OREGON'S  
BEST SOURCE OF  
GOOD ROSES

is

## PETERSON &amp; DERING, INC.

Wholesale Rose Growers  
Scappoose, Oregon  
1942-43 List Now Ready.

## 1942 PRIMROSE SEED

In packets of not less than 100 seeds.  
Super Marvel ..... \$4.00  
Choice Polyanthus ..... 1.00  
Copper Shades ..... .75  
White Shades ..... .75  
Pastel Shades ..... 4.00  
Yellow Shades ..... .75  
Red Shades ..... .75

From September to end of year.  
Super Marvel seedlings, \$2.75 per doz., \$18.00 per 100.  
Choice Pastel seedlings, \$2.75 per doz., \$18.00 per 100.  
Helleborus orientalis, \$15.00 per 100.  
Helleborus niger, \$20.00 per 100.

## NEVILLE PRIMROSE FARM

Poulsbo, Wash.

A. MCGILL & SON  
Fairview, Oregon  
Wholesale Only

Our Spring has been favorable for  
GOOD WESTERN-GROWN  
NURSERY STOCK

Just a reminder of a few specialties

Flowering Crab Apple  
Flowering Hawthorn  
Flowering Cherry  
Cutleaf Birch

Other items too — Ask for a List

BUY DIRECT FROM A GROWER

Wayne McGill and Frank Donovan  
to see you at the convention

A Complete Line of  
OREGON-GROWN  
NURSERY STOCK

## DOTY &amp; DOERNER, INC.

6691 S. W. Capitol Highway  
Portland, Oregon

## Headquarters for . . .

Fruit and Shade trees with vigorous  
roots and sturdy stems.  
Flowering trees, Weeping trees.  
Shrubs, Roses, Small fruits.

Catalogue on request

RICH & SONS NURSERY  
Route 4 Hillsboro, Oregon

LEADING GROWERS of  
CUTLEAF WEEPING BIRCH,  
Schwedleri and Norway Maple,  
Fine 2 and 3-year stock.  
Also Hawthorn, Crab, Flowering Cherry and Pink-  
flowering Locust.  
List ready in September.

MOTZ BROS. NURSERIES  
P. O. BOX 42, Orem, Uta.



# New Books and Bulletins

## CHEMICAL GARDENING.

Valuable information on the latest developments in the soilless culture of plants appears in "Chemical Gardening," a 160-page book by Dr. D. R. Matlin, just published by the Chemical Publishing Co., at \$2.25.

In the two years since the appearance of the author's first book, "Growing Plants Without Soil," the progress made in this type of culture has been such that he has found it necessary to write this new book on the subject. The author is professor of plant chemiculture at Belmont evening high school, Los Angeles, Cal., and plant technologist of the Palos Verdes Hydroponic Gardens, Palos Verdes, Cal.

After short introductory chapters on soilless culture for the home and for commercial production, the writer goes into the mineral relationship to plants, describes the latest developments in methods of culture and gives a number of formulas and tables that should be useful to those employing this method of growing plants. His chapter on the control of insects and that on plant pathology and diagnostic charts similarly are of value, the latter particularly important to those learning to recognize the needs of plants from their physical appearance.

ognize the needs of plants from their physical appearance.

## NUT GROWERS' YEARBOOK.

The volume of 136 pages containing the proceedings of the second annual meeting of the Northern Nut Growers' Association, held at Hershey, Pa., September 4 to 6, 1941, may well be termed the yearbook for nut growers, because it contains a great variety of information, including the latest developments in breeding, culture and related matters. Anyone interested in nut growing will find much to read in this volume, ably edited by Dr. W. C. Deming, Litchfield, Conn.

## DAFFODIL YEARBOOK.

The Daffodil Yearbook for 1942 is a combined publication of the Royal Horticultural Society, London, and the American Horticultural Society, Washington, D. C. It consists of ninety-six pages of well printed text on enamel paper, which shows the numerous fine illustrations to good advantage. Bound in plain pressed board cover, copies are available at 75 cents. The booklet contains articles about daffodil shows in London, Pasadena, Tasmania, New Zealand and Australia. Articles are contributed about growing, exhibiting and breeding daffodils in Great Britain, the United States and Australasia.

## BULLETINS RECEIVED.

While primarily concerned with tests for acidity in Florida citrus orchards, the report of a symposium held at Tampa as an interim meeting of the Soil Science Society of Florida, April 2, 1941, contains interesting discussion of factors affecting the soil-sampling procedure and methods of determination of soil pH. The report is contained in miscellaneous publication 30 of the University of Florida agricultural extension service, Gainesville, entitled "Soil Reaction as a Basis for Certain Land Management Practices," dated March, 1942.

"Spraying Equipment for Pest Control," by O. C. French, bulletin 666 of the University of California agricultural experiment station, chief-

## AMERICAN NURSERYMAN

ly treats of larger types of power sprayers and systems used in California orchards.

"Irrigation Experiments with Pears and Apples," by A. H. Hendrickson and F. J. Veihmeyer, bulletin 667 of the California station, reports tests on the need of soil moisture to obtain fruit maturity.

"Plants of Ornamental Value for the Rio Grande Valley of Texas," by W. H. Friend, superintendent of the Weslaco substation, published as bulletin 609 of the Texas agricultural experiment station, contains a description of the appearance and behavior of many native and ornamental plants

## CLASSIFIED ADS

**Five lines, \$1.00,  
each additional line, 20 cents,  
per insertion.**

Let these little liners move  
your stock easily and cheaply.

Peonies: Tree and Herbaceous, best varieties.  
Oberlin Peony Gardens, Sinking Spring, Pa.

**NATIVE SEEDLING PEACH PITS.**  
Counting 6000 and up per bu. Offered for August and September delivery.  
**WAYNESBORO NURSERIES, INC.,**  
Waynesboro, Va.

**COLORADO BLUE SPRUCE.**  
2-year seedlings, \$8.00 per 1000. Other kinds, larger sizes. List ready. We collect tree seeds.  
**BRADEN NURSERY,**  
Evergreen Growers, South Windham, Me.

**MAZZARD SEED.**  
PLACE YOUR ORDER NOW FOR NEW CROP MAZZARD SEED, testing 90% and up germination. For July and August shipment.  
**WAYNESBORO NURSERIES, INC.,**  
Waynesboro, Va.

**BUXUS SEMPERVIRENS.**  
Transplanted, puddled. Per 100 Per 1000  
6 to 8 ins., 4-yr. .... \$12.00 \$100.00  
8 to 10 ins., 5-yr. .... 20.00 180.00  
10 to 12 ins., 6-yr. .... 25.00 230.00  
12 to 15 ins., 6-yr. .... 35.00 325.00  
Sheared, specimens, B&B. Per 10 Per 100  
15 to 18 ins. .... \$ 8.50 \$ 75.00  
30 to 36 ins. .... 35.00 325.00  
36 to 42 ins. .... 45.00 425.00  
Write for quotations on other sizes of Semper-  
virens and various sizes of *Suifruticosa*.  
**WAYNESBORO NURSERIES, INC.,**  
Waynesboro, Va.

## PEAT

**MICHIGAN PEAT.**  
26 YEARS' RELIABLE SERVICE TO THE TRADE! More for your money. Large 100-lb. bag contains about 5 bus. COMPARE!!!!

1 to 9 new burlap bags ..... \$1.25 each  
10-bag lots, burlap bags ..... 1.10 each  
20-bag lots, burlap bags ..... .90 each  
F.o.b. plant, Capac, Mich.

Low prices carloads, truckloads. Free sample.  
**AMERICAN SOIL SPONGE SELLING CORP.,**  
267 Fifth Ave., New York, or Capac, Mich.

## BUSINESS FOR SALE

For Rent or Sale—The Red Wing Nursery, consisting of 17 acres now planted to nursery stock, berries and orchard. On U. S. paved highway 61, one-half mile west of Red Wing, city of 10,000. Death in family reason for change. Excellent opportunity for someone.  
**F. H. Sargent, Red Wing, Minn.**

## WANTED

**WANTED.**  
Ariens-Tiller or Rototiller in good condition. Must be reasonable. Will pay cash.  
**CENTER ROAD NURSERY,**  
Alex Helms, Saginaw, Mich.

## HELP WANTED

**HELP WANTED.**  
Salesman wanted, commission basis. Must have some knowledge of landscape work.  
**TRAURNICHT NURSERY CO.**  
Fort Worth, Tex.

## FOR SALE

Evergreen nursery, 9½  
acres, excellent soil; a beauty  
spot. Widow must sell.

Taylor's Nurseries,  
Cedar Bend Dr.,  
Ann Arbor, Mich.

## HELP WANTED

Nurserymen, skilled in planting, propagating and some greenhouse experience. State other qualifications. Permanent year-around employment. Position is in northern Michigan. Must be willing to do other work to fill in time during winter months.

**A. C. Fischer, c/o Pleasantview Laboratories,**  
Harbor Springs, Mich.

## HIGH-PRESSURE SPRAY HOSE

ANY PRESSURE TO 1000 LBS.—ANY LENGTH  
Size—¾" - 7/16" - ½" - ¾". Also  
¾" - 7/16" - ½" and ¾" High-Pressure Couplings  
PROMPT SERVICE—LOW PRICES  
Write for Free Sample

**BROADWAY RUBBER MFG. CO.**  
Manufacturers and Engineers since 1901  
529 E. Broadway Louisville, Kentucky

suitable for use in landscaping in the lower Rio Grande valley. Trees and shrubs suited to the area are listed and described. Annual and perennial flowering plants are also included. Texas nurserymen should find this bulletin useful, along with two previous bulletins, No. 447, "Trees and Shrubs of Northwest Texas," and No. 551, "Valuable Plants Native to Texas."

"Distribution of Roots of Certain Tree Species in Two Connecticut Soils," by George Illichevsky Garin, bulletin 454 of the Connecticut agricultural experiment station, New Haven, supplies data on the placement and spread of roots of 7-year-old trees in two Connecticut forest plantations, including Norway spruce, red oak, red pine, white ash and white pine. In Merrimac loamy sand the roots reached much deeper than in Charlton fine sandy loam. There was a proportionately greater number of large roots in the former than in the latter. Photographs and diagrams of the root masses show the differences between the five tree species investigated. Much interesting information on root spread is contained in this 72-page bulletin.

"Chemical Soil Diagnosis by the Universal Soil Testing System," bulletin 450 of the Connecticut agricultural experiment station, presents the details of operation of the soil-testing system evolved at that station.

"The Biology of Fomes Fomentarius," by M. T. Hilborn, bulletin 409 of the Maine agricultural experiment station, Orono, is a scientific discussion of one of the fungi most important in producing decay of hardwood trees in Maine forests.

"A Year's Progress in Solving Farm Problems of Illinois," a paper-bound book of 350 pages on enamel paper, just issued by the Illinois agricultural experiment station, contains the annual report for year ended June 30, 1938. It is in the nature of a memorial to the late director, H. W. Mumford, whose death May 31, 1938, terminated thirty-seven years of service at the University of Illinois. The portion of the book devoted to horticulture consists of thirty-six pages, chiefly reporting tests of new varieties of fruits and vegetables.

"Food for Home and Victory," by C. M. Hampson, economist in farm management, circular 61 of the Florida agricultural extension service, Gaines-

ville, is an illuminating pamphlet of sixteen pages, indicating how much food of various types is consumed by poorly fed families, better fed families and the best fed families, as shown by a study of farms and homes in Florida during 1940. The closing pages of the pamphlet indicate varieties of vegetables that can be grown in Florida.

### NEW PLANT PATENTS.

The following plant patents were issued during the past two months, according to Rummeler, Rummeler & Davis, Chicago patent lawyers:

No. 515. Rose plant. Roy L. Byrum, Richmond, Ind., assignor to Joseph H. Hill Co., Richmond, Ind. A new and distinct variety of hybrid tea rose plant, characterized as to novelty by its great productivity, the delicate color combination, large size and number of petals of the flowers and its exceptional value for both summer and winter forcing.

No. 516. Rose plant. Frederick H. Howard, Montebello, Cal., assignor to Lester C. Lovett, Red Bank, N. J. A new and useful variety of hybrid tea rose plant, characterized particularly by its delicate pink blooms; its strong, healthy, abundant foliage; its strong, upright stems; its vigorous growth, and its ability, when asexually reproduced, to yield a much higher than average proportion of first-class plants.

No. 517. Rose plant. Roy L. Byrum, Richmond, Ind., assignor to Joseph H. Hill Co., Richmond, Ind. A new and distinct variety of hybrid tea rose plant, characterized as to novelty by its miniature size, the yellow coloring and abundance of its blooms, their lasting quality and the general distinction from all other roses of its class.

No. 518. Rose plant. Michael H. Horvath, Mentor, O. A variety of climbing Rose setigera hybrid, characterized particularly by the large size, shape and color of the flower; the shape, color, toughness and quality of the petals; the resistance of the plant and foliage to disease and practical immunity to black spot, mildew and other rose maladies; the siliceous coating of the foliage, and the delightful fragrance of the bloom.

No. 519. Buddleia. Paul J. Schmidt, Youngstown, O., assignor to the General Nurseries Co., Painesville, O. A new and distinct variety of buddleia, characterized particularly by the striking and unusual color, large size and compactness of the inflorescence as a whole and the coexistence for long periods in a high degree of freshness and beauty of all the florets of an individual inflorescence.

No. 520. Peach tree. Albert W. Wahl, Clarkston, Wash., assignor to H. Lynn Tuttle, Clarkston, Wash. A new and distinct variety of peach tree, characterized by its exceptional hardiness and productivity, the tenacious adherence of the fruit to the tree, the keeping qualities of the fruit and its resistance to rotting or discoloration from bruises, the desirable shape and color, the long period of bloom and the tendency to early dormancy as associated with hardiness and productivity.

No. 521. Rose plant. Walter E. Lammer, Ontario, Cal., assignor to Armstrong Nurseries, Inc., Ontario, Cal. A new

## PLATE BOOKS for Nurserymen

**Book A.** Illustrates in full color 235 standard nursery items, brief description, substantially bound. Price in small lots, 75c each.

**Book B.** Condensed edition, 120 items illustrated in full color. Price in small lots, 35c each.

### Descriptive Nursery Catalogue

Nicely illustrated, 48 pages and cover. 18c each in small lots.

Will send sample copy of each of the above on receipt of \$1.25. Cash with order.

### Correct Planting Methods

A pocket-size 48-page booklet. Very complete but concise information, well illustrated. Helpful in preventing claims for dead stock that cost nurserymen money. Sample, 10c. Write for discounts on quantities.

### Made to Order

Catalogues, Folders, etc., with illustrations in full color or one color. Thousands of engravings available. Send your specifications or samples for estimate and suggestions.

**A. B. MORSE COMPANY**  
ST. JOSEPH, MICHIGAN

## ATTENTION NURSERYMEN!



**IMP.  
SOAP  
SPRAY**

Use 1 part with 25 to 40 parts of water

Ask your nearest seedsman, or write for literature.

THE AMERICAN COLOR AND CHEMICAL CO.  
178 Purchase St. Boston, Mass.

## BUY RAFFIA DIRECT from IMPORTERS

We carry large stocks on hand at all times  
**LARGE ASSORTMENT—COLORED  
AND NATURAL RAFFIA**

Write us before placing your orders.  
**AMERICAN REEDCRAFT CORP.**  
130 Beekman St. New York, N. Y.

## North Dakota and Montana Seeds

Northern-grown Tree, Shrub and Wild Flower seeds. Wholesale crude botanicals.

**E. C. MORAN MEDORA, N. D.**

## CUT HAND WEEDING COSTS!

**Larvacide** and use available labor for other jobs. Fumigate Potting and Seed Flat Soil right in bins, deep frames and compost piles. Controls most weed seeds, nematodes and fungi that cause damping-off. Write

**INNIS, SPEIDEN & COMPANY** 117 LIBERTY STREET NEW YORK, N. Y.

## HYPONEX PLANT FOOD

HYPONEX is a complete plant food and so accurately balanced that it will grow superior plants in soil, or even sand or water. Use HYPONEX for germination of seeds (helps to prevent damping-off). Cuttings (keeps them succulent until ready for transplanting). Transplanting (reduces shock and wilting), and for general feeding of flowers, vegetables, trees and lawns. Better and more vigorous root systems. Greater substance in stems, larger flowers.

Buy from your jobber or send \$1.00 for 1-lb. sample (makes 100 gals.), dollar credited on first order for 1 case for resale or 10-lb. drum for own use.

Write Jobber or direct to us for dealers' and growers' prices. Retail prices: 1-oz., 10¢; 3-oz., 25¢; 1-lb., \$1.00. Also sold in 10, 25, 50 and 100-lb. drums.

### HYDROPONIC CHEMICAL CO., Inc.

315 West 39th Street

New York

## GENUINE MOSS PEAT

Hydraulic pressed bales and smaller resale packages. Sphagnum Moss, Cultivated Peat Humus.

Shipped from Northern plant at Floodwood, Minn., and Hanlontown, Iowa. Annual capacity 1,000 carloads.

Now booking for present and future deliveries.

Write or wire for quotations.

**Colby Pioneer Peat Co., Inc.**  
Hanlontown, Iowa



**The GRAVELY**  
GARDEN TRACTOR &  
POWER MOWER

Write for facts.  
**GRAVELY**  
MFG. CO.  
Box 814  
Dunbar, W. Va.

The ideal machine for the Commercial Grower...  
Goes in narrow rows...  
Has ample Power.

## SUPPLIES -TOOLS



**For Tree Surgeons  
Landscape Men  
Nurserymen - Growers**  
Send today for a new issue of the BLUE BOOK

**AMERICAN FLORIST SUPPLY**  
CHICAGO

## ARIENS-Tiller



THE MOST  
COMPLETE LINE OF  
TILLAGE EQUIPMENT  
IN THE WORLD. CAPACITIES 14 IN TO  
7 FT CUTTING WIDTHS

**ARIENS CO.**  
BOX 710 BRILLION, WIS

Please mention the **American Nurseryman** when writing advertisers

and distinct rose plant of the hybrid tea class, characterized as to novelty by its vigorous, spreading habits of growth; the decided resistance to mildew of its foliage; the large size and perfection of its flowers under average garden care; the unusual combination of colors and thick, heavy substance of the petals of these flowers, and the strong combination of tea and spicy fragrance thereof.

No. 522. Rose plant. Walter E. Lammer, Ontario, Cal., assignor to Armstrong Nurseries, Inc., Ontario, Cal. A new and distinct variety of rose plant, characterized as to novelty by its vigor of growth, the extremely high and unusual fragrance of its flowers, color combination of said flowers, number of petals thereof and disease resistance of the plant.

No. 523. Rose plant. Theodore J. Morris, San Fernando, Cal., assignor to Armstrong Nurseries, Inc., Ontario, Cal. A new and distinct variety of rose plant of the climbing class, characterized as to novelty by its habit of vigorous growing to unusual height, its production of greater number of flowers than found on its parent variety at any one time, its habit of intermittent flowering throughout the growing season and the greater number of petals per flower than found on its parent variety.

No. 524. Rose plant. Herbert C. Swim, Ontario, Cal., assignor to Armstrong Nurseries, Inc., Ontario, Cal. A new and distinct variety of rose plant, characterized as to novelty by its climbing habit of growth, greater floriferousness and petalage than is found in its parent grown under comparable conditions and intermittent blooming throughout the growing season.

No. 525. Rose plant. Roy L. Byrum, Richmond, Ind., assignor to the Joseph H. Hill Co., Richmond, Ind. A new and distinct variety of hybrid tea rose, characterized as to novelty by the color combination of its blooms, its great productiveness, the growth of single blooms on strong, long stems and its disease resistance.

No. 526. Rose plant. Roy L. Byrum, Richmond, Ind., assignor to the Joseph H. Hill Co., Richmond, Ind. A new and distinct variety of rose plant, characterized as to novelty by its great productivity in the class of greenhouse forcing roses, the large size and number of petals of the bloom and the unusual color combination of the bloom.

No. 527. Phlox. Elmer H. Schultz, Mentor, O., assignor to the Wayside Gardens Co., Mentor, O. A variety of Phlox decussata, characterized by the exceptionally large flower heads and individual florets, the brilliant color of the flower heads and individual florets, the exceptionally long blooming period, the excellent permanence of the flower, both on the growing plant and as a cut flower; the resistance of the foliage to mildew, the general resistance of the plant to diseases and the exceeding vigor, strength and height of the plant.

CAMILLE'S NURSERY has been opened at First and Maple streets, Livermore, Cal., by Mrs. Frank Mellow.

BECAUSE of a death in the family, Forrest H. Sargent, of the Red Wing Nursery, Red Wing, Minn., has decided to sell or rent his nursery and all the stock in it.



## Build Your Own Irrigation System

Using the nozzle that gives adequate irrigation on low operating cost. Covers 40-foot circle on 15 lbs. pressure. Complete even coverage improves yields and quality of crops.

Plan and instructions sent upon request.

**ITTNER BROS.** Anoka, Minnesota

## LABELS FOR NURSERYMEN

**THE  
BENJAMIN CHASE  
COMPANY**  
DERRY, N. H.

## MAKE MORE PROFIT

Sell Your Roses, Perennials, Shrubs, Vines and Fruit Trees Started and Growing in

## CLOVERSET PLANT POTS

Nursery Stock grown in Cloverset Patented Pots can be sold and planted without wait to bud or bloom any time from March until freezing weather. Write today for Free Illustrated circulars and testimonials from users of these pots.

Carton of samples by mail 25c.

## CLOVERSET FLOWER FARM

ERNEST HAYSLEY and SON

10520 Broadway, Kansas City, Mo.

## Domestic PEAT MOSS For All POULTRY and AGRICULTURAL REQUIREMENTS

## TARDIF DOMESTIC PEAT SALES CO.

WAUKESHA, WISCONSIN

## Write for FREE Catalog!

Nursery Spades, Knives and Pruning Shears, Budding and Grafting Supplies, Tree Surgery and Lawn Equipment.

96 page catalogue free—write,

**A. M. LEONARD & SON**  
Piquette, Ohio



# DAPHNE SOMERSET

PLANT PATENT NO. 315

## A New Hybrid Daphne of Great Merit

This fragrant and easy-to-grow Hybrid Daphne originated in England a number of years ago. It received highest honors from the R. H. S. of Great Britain when it was first shown in London. The starlike bluish-white flowers are as deliciously fragrant as Daphne Cneorum. They occur in quantities during May and June along the upper eight or ten inches of each branch, the flowering time lasting a month or more. The foliage is rich, dark green, giving the effect of Boxwood. It remains on the plant well into the winter. Reports from southern test gardens are that it remains evergreen where winter weather is not too severe. The original stock plants in our nursery are about 2½ feet high, and about as broad. These were imported by us six years ago, and arrived with bare roots. Our experience is that dormant young stock may be shipped and transplanted bare root with excellent results.

**WHOLESALE PRICES.** { **DORMANT STOCK, BARE ROOT.**  
12 to 15 inches, bare root, \$40.00 per 100.  
15 to 18 inches, bare root, \$50.00 per 100.

No bare root plants of the above two sizes are shipped after April 1.



**WHOLESALE PRICES**  
**15 to 18 inches, B&B**  
Each Doz. 100  
\$1.00 \$10.00 \$75.00  
**18 to 24 inches, B&B**  
Each Doz. 100  
\$1.50 \$15.00 \$100.00  
**24 to 30 inches, B&B**  
Each Doz. 100  
\$2.00 \$20.00 \$150.00

**RECOMMENDED  
RETAIL PRICES**  
**15 to 18 inches, B&B**  
Each Doz.  
\$2.00 \$20.00  
**18 to 24 inches, B&B**  
Each Doz.  
\$3.00 \$30.00  
**24 to 30 inches, B&B**  
Each Doz.  
\$4.00 \$40.00



Detail of flowers of spike of Daphne Somerset

**The WAYSIDE GARDENS CO.**  
**MENTOR, OHIO**

**SAVE MONEY AND ADD TO ATTRACTIVENESS OF YOUR  
TREES, SHRUBS AND PLANTS, BY USING OUR PLAIN OR  
TINTED ALL PURPOSE LABELS.**

Our new improved **ALL PURPOSE STRAP LABELS**, made from very tough moisture-resisting tagboard, can now be supplied in plain white or with strong colored tints on ends of one or both sides. Can also be type printed to varieties, nursery title or any special trade-mark copy you may desire.

471 different nurseries have used our labels. Our star customer has placed 31 repeat orders with us since his initial order back in 1934.

The particular tough, moistureproof tagboard we use in making these **ALL PURPOSE LABELS** is hard to get, but we were fortunate in securing two tons more than we expected and so can take on a few more label customers.

If you would like to examine and test these labels including the new String Strap Tie, which both ties and labels at the same time, we will gladly mail you a working Sample Kit, containing label pencil, working samples of different sizes of labels, prices, etc. No charge.

**CLARK GARDNER NURSERIES**

**Label Dept.**

**OSAGE, IOWA**

# LOOK AT THESE RESULTS!

from

Reg. U. S. Pat. Off.  
**TRANSPLANTONE**

## REPORTED BY PROMINENT GROWERS

**HEMLOCKS** — Forest seedlings treated with TRANSPLANTONE — losses less than 5 per cent against losses up to 80 per cent without treatment. Three years of tests — reports from dozens of users.

**PIN OAK AND SWEET GUM** — Several nurseries report less than 1 per cent loss of treated trees last spring against 25 per cent loss without treatment under the same conditions. Tests were made on hundreds of trees.



Pine Tree Ready for Transplanting

**AZALEAS, RHODODENDRONS AND HOLLIES** — "Didn't lose one azalea under severe summer conditions." "Rhododendrons showing chlorosis after planting brought back to vivid green with TRANSPLANTONE." "Hollies apparently dead regained full vigor by watering with TRANSPLANTONE."

**IN THE CUTTING BED** — Where cuttings must stay in the cutting bed for more than two months, a weekly watering with a solution of one level teaspoon of TRANSPLANTONE in a gallon of water will keep the weaker cuttings alive and increase greatly the percentage of successful rooting. This is true whether you use ROOTONE or not.

**DAY LILIES** — Faster growth, less mortality reported by specialists from treatment of clumps after division.

**PERENNIALS** — Wayside Gardens say in their 1941 catalogue, "We find TRANSPLANTONE indispensable and use it on all difficult to transplant trees and shrubs."

**TREE MOVING** — Wisconsin Tree Expert Co., Wausau, recommends and uses TRANSPLANTONE for all tree moving, particularly shade trees.

### NURSERYMEN!

For woody cuttings, where you want a faster working powder, use ROOTONE No. 10 — a stronger concentration than regular ROOTONE. Especially suited to azaleas. Two ounce jar, \$2.00 — one pound can, \$10.00. Send your remittance to your dealer or to

★ ————— ★  
*Can you afford to pass up TRANSPLANTONE in your nursery practice?*

*One pound can, \$4.00 — makes 160 to 1600 gallons of solution for transplanting.*

★ ————— ★

## AMERICAN CHEMICAL PAINT CO.

Horticultural Division A-40

*Ambler, Penna.*